

DTX Series CableAnalyzer Limit Line Values



Software Version 1.2 July 2005

Notes:

- If Insertion Loss is less than 3 dB, the value is recorded but not used for PASS/FAIL criteria.
- If Insertion Loss is less than 4 dB, the value is recorded but not used for PASS/FAIL criteria.
- The value is recorded but not used for PASS/FAIL criteria.

- DRAFT Augmented Category 6 limits have been updated to reflect the June 2005 TIA meeting
- DRAFT Augmented Class E limits have been added to reflect JTC1/SC25/WG3N746, collation of comments on working draft TR24750 and working draft of ISO/IEC 11801 2nd Edition Amendment 1.
- In the application directory, entries have been added to allow testing of mid span PoE, details of which can be found at <http://kb.flukenetworks.com/link.asp?sid=5&rid=9832>
- DTX PL Selftest ELFEXT limits have been corrected

TIA Standards

TIA Cat 3 Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|----|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | 100 m | 555 | 50 | 1 | 4.2 | 39.1 | | 34.9 | | | | |
| | | | | | 4 | 7.3 | 29.3 | | 22.0 | | | | |
| | | | | | 8 | 10.2 | 24.3 | | 14.0 | | | | |
| 12345678S 12345678S | | | | | 10 | 11.5 | 22.7 | | 11.2 | | | | |
| | | | | | 16 | 14.9 | 19.2 | | 4.3 | | | | |

TIA Cat 5e Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | 100 m | 555 | 50 | 1 | 3 | 60.0 | 17.0 | 57.0 | 57.4 | 57.0 | 54.0 | 54.4 |
| | | | | | 4 | 4.5 | 53.5 | 17.0 | 49.1 | 45.4 | 50.5 | 46.1 | 42.4 |
| | | | | | 8 | 6.3 | 48.6 | 17.0 | 42.3 | 39.3 | 45.6 | 39.3 | 36.3 |
| 12345678S 12345678S | | | | | 10 | 7.1 | 47.0 | 17.0 | 39.9 | 37.4 | 44.0 | 36.9 | 34.4 |
| | | | | | 16 | 9.1 | 43.6 | 17.0 | 34.5 | 33.3 | 40.6 | 31.5 | 30.3 |
| | | | | | 20 | 10.2 | 42.0 | 17.0 | 31.8 | 31.4 | 39.0 | 28.8 | 28.4 |
| | | | | | 25 | 11.4 | 40.3 | 16.0 | 28.9 | 29.4 | 37.3 | 25.9 | 26.4 |
| | | | | | 31.25 | 12.9 | 38.7 | 15.1 | 25.9 | 27.5 | 35.7 | 22.9 | 24.5 |
| | | | | | 62.5 | 18.6 | 33.6 | 12.1 | 15.0 | 21.5 | 30.6 | 12.0 | 18.5 |
| | | | | | 100 | 24 | 30.1 | 10.0 | 6.1 | 17.4 | 27.1 | 3.1 | 14.4 |

TIA Cat 6 Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | 100 m | 555 | 50 | 1 | 3 | 65.0 | 19.0 | 62.0 | 63.3 | 62.0 | 59.0 | 60.3 |
| | | | | | 4 | 4 | 63.0 | 19.0 | 59.0 | 51.2 | 60.5 | 56.5 | 48.2 |
| | | | | | 8 | 5.7 | 58.2 | 19.0 | 52.5 | 45.2 | 55.6 | 49.9 | 42.2 |
| 12345678S 12345678S | | | | | 10 | 6.3 | 56.6 | 19.0 | 50.2 | 43.3 | 54.0 | 47.7 | 40.3 |
| | | | | | 16 | 8 | 53.2 | 18.0 | 45.2 | 39.2 | 50.6 | 42.6 | 36.2 |
| | | | | | 20 | 9 | 51.6 | 17.5 | 42.6 | 37.2 | 49.0 | 39.9 | 34.2 |
| | | | | | 25 | 10.1 | 50.0 | 17.0 | 39.9 | 35.3 | 47.3 | 37.2 | 32.3 |
| | | | | | 31.25 | 11.4 | 48.4 | 16.5 | 37.0 | 33.4 | 45.7 | 34.3 | 30.4 |
| | | | | | 62.5 | 16.5 | 43.4 | 14.0 | 26.9 | 27.3 | 40.6 | 24.1 | 24.3 |
| | | | | | 100 | 21.3 | 39.9 | 12.0 | 18.6 | 23.3 | 37.1 | 15.8 | 20.3 |
| | | | | | 200 | 31.5 | 34.8 | 9.0 | 3.3 | 17.2 | 31.9 | 0.3 | 14.2 |
| | | | | | 250 | 35.9 | 33.1 | 8.0 | -2.8 | 15.3 | 30.2 | -5.8 | 12.3 |

TIA AugCat 6 Ch dr 1.4b

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 100 m | 555 | 50 | 1 | 3 | 65.0 | 19.0 | | 63.3 | 62.0 | | 60.3 |
| 12345678 | | | | | 4 | 4.1 | 63.0 | 19.0 | | 51.2 | 60.5 | | 48.2 |
| | | | | | 8 | 5.7 | 58.2 | 19.0 | | 45.2 | 55.6 | | 42.2 |
| 12345678S | | | | | 10 | 6.4 | 56.6 | 19.0 | | 43.3 | 54.0 | | 40.3 |
| 12345678S | | | | | 16 | 8.1 | 53.2 | 18.0 | | 39.2 | 50.6 | | 36.2 |
| | | | | | 20 | 9.1 | 51.6 | 17.5 | | 37.2 | 49.0 | | 34.2 |
| | | | | | 25 | 10.2 | 50.0 | 17.0 | | 35.3 | 47.3 | | 32.3 |
| | | | | | 31.25 | 11.4 | 48.4 | 16.5 | | 33.4 | 45.7 | | 30.4 |
| | | | | | 62.5 | 16.3 | 43.4 | 14.0 | | 27.3 | 40.6 | | 24.3 |
| | | | | | 100 | 20.8 | 39.9 | 12.0 | | 23.3 | 37.1 | | 20.3 |
| | | | | | 200 | 30 | 34.8 | 9.0 | | 17.2 | 31.9 | | 14.2 |
| | | | | | 250 | 33.8 | 33.1 | 8.0 | | 15.3 | 30.2 | | 12.3 |
| | | | | | 350 | 40.5 | 30.2 | 6.6 | | 12.4 | 27.2 | | 9.4 |
| | | | | | 500 | 49.3 | 24.9 | 6.0 | | 9.3 | 21.8 | | 6.3 |

TIA TSB155 Ch dr 1.3.2 0-55m

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | i | 555 | 50 | 1 | 3 | 65.0 | 19.0 | | 63.3 | 62.0 | | 60.3 |
| 12345678 | | | | | 4 | 3 | 63.0 | 19.0 | | 51.2 | 60.5 | | 48.2 |
| | | | | | 8 | 3.3 | 58.2 | 19.0 | | 45.2 | 55.6 | | 42.2 |
| 12345678S | | | | | 10 | 3.7 | 56.6 | 19.0 | | 43.3 | 54.0 | | 40.3 |
| 12345678S | | | | | 16 | 4.7 | 53.2 | 18.0 | | 39.2 | 50.6 | | 36.2 |
| | | | | | 20 | 5.3 | 51.6 | 17.5 | | 37.2 | 49.0 | | 34.2 |
| | | | | | 25 | 5.9 | 50.0 | 17.0 | | 35.3 | 47.3 | | 32.3 |
| | | | | | 31.25 | 6.7 | 48.4 | 16.5 | | 33.4 | 45.7 | | 30.4 |
| | | | | | 62.5 | 9.6 | 43.4 | 14.0 | | 27.3 | 40.6 | | 24.3 |
| | | | | | 100 | 12.3 | 39.9 | 12.0 | | 23.3 | 37.1 | | 20.3 |
| | | | | | 200 | 18 | 34.8 | 9.0 | | 17.2 | 31.9 | | 14.2 |
| | | | | | 250 | 20.3 | 33.1 | 8.0 | | 15.3 | 30.2 | | 12.3 |
| | | | | | 350 | 24.6 | 29.7 | 6.6 | | 12.4 | 26.9 | | 9.4 |
| | | | | | 500 | 30.2 | 22.0 | 6.0 | | 9.3 | 20.4 | | 6.3 |

TIA TSB155 Ch dr 1.3.2 55-100m

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 100 m | 555 | 50 | 1 | 3 | 65.0 | 19.0 | | 63.3 | 62.0 | | 60.3 |
| 12345678 | | | | | 4 | 4 | 63.0 | 19.0 | | 51.2 | 60.5 | | 48.2 |
| | | | | | 8 | 5.7 | 58.2 | 19.0 | | 45.2 | 55.6 | | 42.2 |
| 12345678S | | | | | 10 | 6.3 | 56.6 | 19.0 | | 43.3 | 54.0 | | 40.3 |
| 12345678S | | | | | 16 | 8 | 53.2 | 18.0 | | 39.2 | 50.6 | | 36.2 |
| | | | | | 20 | 9 | 51.6 | 17.5 | | 37.2 | 49.0 | | 34.2 |
| | | | | | 25 | 10.1 | 50.0 | 17.0 | | 35.3 | 47.3 | | 32.3 |
| | | | | | 31.25 | 11.4 | 48.4 | 16.5 | | 33.4 | 45.7 | | 30.4 |
| | | | | | 62.5 | 16.5 | 43.4 | 14.0 | | 27.3 | 40.6 | | 24.3 |
| | | | | | 100 | 21.3 | 39.9 | 12.0 | | 23.3 | 37.1 | | 20.3 |
| | | | | | 200 | 31.5 | 34.8 | 9.0 | | 17.2 | 31.9 | | 14.2 |
| | | | | | 250 | 36 | 33.1 | 8.0 | | 15.3 | 30.2 | | 12.3 |
| | | | | | 350 | 43.5 | 29.7 | 6.6 | | 12.4 | 26.9 | | 9.4 |
| | | | | | 500 | 53.4 | 22.0 | 6.0 | | 9.3 | 20.4 | | 6.3 |

TIA Cat 3 Perm. Link

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|-----------|----------|--------|-------------|------------|-------|--------|------|----|------|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 | i | 90 m | 498 | 44 | 1 | 3.5 | 40.1 | | 36.6 | | | | | |
| 12345678 | | | | | 4 | 6.2 | 30.6 | | 24.4 | | | | | |
| | | | | | 8 | 8.8 | 25.8 | | 17.0 | | | | | |
| 12345678S | | | | | 10 | 9.9 | 24.3 | | 14.3 | | | | | |
| 12345678S | | | | | 16 | 13 | 21.0 | | 8.0 | | | | | |

TIA Cat 5e Perm. Link

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 90 m | 498 | 44 | 1 | 3 | 60.0 | 19.0 | 57.0 | 58.6 | 57.0 | 54.0 | 55.6 |
| 12345678 | | | | | 4 | 3.9 | 54.8 | 19.0 | 50.9 | 46.6 | 51.8 | 47.9 | 43.6 |
| | | | | | 8 | 5.5 | 50.0 | 19.0 | 44.5 | 40.6 | 47.0 | 41.5 | 37.6 |
| 12345678S | | | | | 10 | 6.2 | 48.5 | 19.0 | 42.3 | 38.6 | 45.5 | 39.3 | 35.6 |
| 12345678S | | | | | 16 | 7.9 | 45.2 | 19.0 | 37.3 | 34.5 | 42.2 | 34.3 | 31.5 |
| | | | | | 20 | 8.9 | 43.7 | 19.0 | 34.8 | 32.6 | 40.7 | 31.8 | 29.6 |
| | | | | | 25 | 10 | 42.1 | 18.0 | 32.1 | 30.7 | 39.1 | 29.1 | 27.7 |
| | | | | | 31.25 | 11.2 | 40.5 | 17.1 | 29.3 | 28.7 | 37.5 | 26.3 | 25.7 |
| | | | | | 62.5 | 16.2 | 35.7 | 14.1 | 19.4 | 22.7 | 32.7 | 16.4 | 19.7 |
| | | | | | 100 | 21 | 32.3 | 12.0 | 11.3 | 18.6 | 29.3 | 8.3 | 15.6 |

TIA Cat 6 Perm. Link

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 90 m | 498 | 44 | 1 | 3 | 65.0 | 19.1 | 62.0 | 64.2 | 62.0 | 59.0 | 61.2 |
| 12345678 | | | | | 4 | 3.5 | 64.1 | 21.0 | 60.6 | 52.1 | 61.8 | 58.3 | 49.1 |
| | | | | | 8 | 5 | 59.4 | 21.0 | 54.4 | 46.1 | 57.0 | 52.1 | 43.1 |
| 12345678S | | | | | 10 | 5.5 | 57.8 | 21.0 | 52.3 | 44.2 | 55.5 | 49.9 | 41.2 |
| 12345678S | | | | | 16 | 7 | 54.6 | 20.0 | 47.6 | 40.1 | 52.2 | 45.2 | 37.1 |
| | | | | | 20 | 7.9 | 53.1 | 19.5 | 45.2 | 38.2 | 50.7 | 42.8 | 35.2 |
| | | | | | 25 | 8.9 | 51.5 | 19.0 | 42.7 | 36.2 | 49.1 | 40.2 | 33.2 |
| | | | | | 31.25 | 10 | 50.0 | 18.5 | 40.0 | 34.3 | 47.5 | 37.6 | 31.3 |
| | | | | | 62.5 | 14.4 | 45.1 | 16.0 | 30.8 | 28.3 | 42.7 | 28.3 | 25.3 |
| | | | | | 100 | 18.6 | 41.8 | 14.0 | 23.3 | 24.2 | 39.3 | 20.7 | 21.2 |
| | | | | | 200 | 27.4 | 36.9 | 11.0 | 9.6 | 18.2 | 34.3 | 7.0 | 15.2 |
| | | | | | 250 | 31.1 | 35.3 | 10.0 | 4.2 | 16.2 | 32.7 | 1.6 | 13.2 |

TIA AugCat 6 PL dr 1.4b

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | 90 m | 498 | 44 | 1 | 3 | 65.0 | 19.1 | | 64.2 | 62.0 | | 61.2 |
| | | | | | 4 | 3.5 | 64.1 | 21.0 | | 52.1 | 61.8 | | 49.1 |
| | | | | | 8 | 4.9 | 59.4 | 21.0 | | 46.1 | 57.0 | | 43.1 |
| 12345678S 12345678S | | | | | 10 | 5.5 | 57.8 | 21.0 | | 44.2 | 55.5 | | 41.2 |
| | | | | | 16 | 6.9 | 54.6 | 20.0 | | 40.1 | 52.2 | | 37.1 |
| | | | | | 20 | 7.7 | 53.1 | 19.5 | | 38.2 | 50.7 | | 35.2 |
| | | | | | 25 | 8.7 | 51.5 | 19.0 | | 36.2 | 49.1 | | 33.2 |
| | | | | | 31.25 | 9.7 | 50.0 | 18.5 | | 34.3 | 47.5 | | 31.3 |
| | | | | | 62.5 | 13.9 | 45.1 | 16.0 | | 28.3 | 42.7 | | 25.3 |
| | | | | | 100 | 17.9 | 41.8 | 14.0 | | 24.2 | 39.3 | | 21.2 |
| | | | | | 200 | 26 | 36.9 | 11.0 | | 18.2 | 34.3 | | 15.2 |
| | | | | | 250 | 29.4 | 35.3 | 10.0 | | 16.2 | 32.7 | | 13.2 |
| | | | | | 350 | 35.6 | 31.8 | 7.1 | | 13.3 | 29.1 | | 10.3 |
| | | | | | 500 | 43.8 | 26.7 | 6.0 | | 10.2 | 23.8 | | 7.2 |

TIA TSB155 PL dr 1.3.2 0-45m

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | 90 m | 498 | 44 | 1 | 3 | 65.0 | 19.1 | | 64.2 | 62.0 | | 61.2 |
| | | | | | 4 | 3 | 64.1 | 21.0 | | 52.1 | 61.8 | | 49.1 |
| | | | | | 8 | 3 | 59.4 | 21.0 | | 46.1 | 57.0 | | 43.1 |
| 12345678S 12345678S | | | | | 10 | 3 | 57.8 | 21.0 | | 44.2 | 55.5 | | 41.2 |
| | | | | | 16 | 3.6 | 54.6 | 20.0 | | 40.1 | 52.2 | | 37.1 |
| | | | | | 20 | 4.1 | 53.1 | 19.5 | | 38.2 | 50.7 | | 35.2 |
| | | | | | 25 | 4.6 | 51.5 | 19.0 | | 36.2 | 49.1 | | 33.2 |
| | | | | | 31.25 | 5.2 | 50.0 | 18.5 | | 34.3 | 47.5 | | 31.3 |
| | | | | | 62.5 | 7.5 | 45.1 | 16.0 | | 28.3 | 42.7 | | 25.3 |
| | | | | | 100 | 9.7 | 41.8 | 14.0 | | 24.2 | 39.3 | | 21.2 |
| | | | | | 200 | 14.3 | 36.9 | 11.0 | | 18.2 | 34.3 | | 15.2 |
| | | | | | 250 | 16.3 | 35.3 | 10.0 | | 16.2 | 32.7 | | 13.2 |
| | | | | | 350 | 20 | 30.8 | 7.1 | | 13.3 | 28.7 | | 10.3 |
| | | | | | 500 | 25 | 23.4 | 6.0 | | 10.2 | 22.5 | | 7.2 |

TIA TSB155 PL dr 1.3.2 45-90m

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | 90 m | 498 | 44 | 1 | 3 | 65.0 | 19.1 | | 64.2 | 62.0 | | 61.2 |
| | | | | | 4 | 3.5 | 64.1 | 21.0 | | 52.1 | 61.8 | | 49.1 |
| | | | | | 8 | 5 | 59.4 | 21.0 | | 46.1 | 57.0 | | 43.1 |
| 12345678S 12345678S | | | | | 10 | 5.6 | 57.8 | 21.0 | | 44.2 | 55.5 | | 41.2 |
| | | | | | 16 | 7 | 54.6 | 20.0 | | 40.1 | 52.2 | | 37.1 |
| | | | | | 20 | 7.9 | 53.1 | 19.5 | | 38.2 | 50.7 | | 35.2 |
| | | | | | 25 | 8.9 | 51.5 | 19.0 | | 36.2 | 49.1 | | 33.2 |
| | | | | | 31.25 | 10 | 50.0 | 18.5 | | 34.3 | 47.5 | | 31.3 |
| | | | | | 62.5 | 14.4 | 45.1 | 16.0 | | 28.3 | 42.7 | | 25.3 |
| | | | | | 100 | 18.6 | 41.8 | 14.0 | | 24.2 | 39.3 | | 21.2 |
| | | | | | 200 | 27.4 | 36.9 | 11.0 | | 18.2 | 34.3 | | 15.2 |
| | | | | | 250 | 31.1 | 35.3 | 10.0 | | 16.2 | 32.7 | | 13.2 |
| | | | | | 350 | 37.9 | 30.8 | 7.1 | | 13.3 | 28.7 | | 10.3 |
| | | | | | 500 | 47.1 | 23.4 | 6.0 | | 10.2 | 22.5 | | 7.2 |

TIA Cat 5 Ch (TSB-95)
OBSOLETE STANDARD

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 100 m | 555 | 50 | 1 | 3 | 60.0 | 15.0 | 57.0 | 57.0 | | | 54.4 |
| 12345678 | | | | | 4 | 4.5 | 50.6 | 15.0 | 46.1 | 45.0 | | | 42.4 |
| | | | | | 8 | 6.3 | 45.6 | 15.0 | 39.3 | 38.9 | | | 36.3 |
| 12345678S | | | | | 10 | 7.1 | 44.0 | 15.0 | 36.9 | 37.0 | | | 34.4 |
| 12345678S | | | | | 16 | 9.1 | 40.6 | 15.0 | 31.6 | 32.9 | | | 30.3 |
| | | | | | 20 | 10.2 | 39.0 | 15.0 | 28.8 | 31.0 | | | 28.4 |
| | | | | | 25 | 11.4 | 37.4 | 14.0 | 26.0 | 29.0 | | | 26.4 |
| | | | | | 31.25 | 12.9 | 35.7 | 13.1 | 22.9 | 27.1 | | | 24.5 |
| | | | | | 62.5 | 18.6 | 30.6 | 10.1 | 12.0 | 21.1 | | | 18.5 |
| | | | | | 100 | 24 | 27.1 | 8.0 | 3.1 | 17.0 | | | 14.4 |

TIA Cat 5 Ch (TSB-67)
OBSOLETE STANDARD

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 90 m | 498 | 44 | 1 | 3 | 60.3 | | | | | | |
| 12345678 | | | | | 4 | 4.5 | 50.6 | | | | | | |
| | | | | | 8 | 6.3 | 45.6 | | | | | | |
| 12345678S | | | | | 10 | 7 | 44.0 | | | | | | |
| 12345678S | | | | | 16 | 9.2 | 40.6 | | | | | | |
| | | | | | 20 | 10.3 | 39.0 | | | | | | |
| | | | | | 25 | 11.4 | 37.4 | | | | | | |
| | | | | | 31.25 | 12.8 | 35.7 | | | | | | |
| | | | | | 62.5 | 18.5 | 30.6 | | | | | | |
| | | | | | 100 | 24 | 27.1 | | | | | | |

TIA Cat 5 Ch (TSB-67)
OBSOLETE STANDARD

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 100 m | 555 | 50 | 1 | 3 | 60.3 | | | | | | |
| 12345678 | | | | | 4 | 4.5 | 50.6 | | | | | | |
| | | | | | 8 | 6.3 | 45.6 | | | | | | |
| 12345678S | | | | | 10 | 7 | 44.0 | | | | | | |
| 12345678S | | | | | 16 | 9.2 | 40.6 | | | | | | |
| | | | | | 20 | 10.3 | 39.0 | | | | | | |
| | | | | | 25 | 11.4 | 37.4 | | | | | | |
| | | | | | 31.25 | 12.8 | 35.7 | | | | | | |
| | | | | | 62.5 | 18.5 | 30.6 | | | | | | |
| | | | | | 100 | 24 | 27.1 | | | | | | |

TIA Cat 5 BL (TSB-67)

OBSOLETE STANDARD

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | | |
|-----------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|--|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | | |
| 12345678 | i | 94 m | i | 50 ns | 1 | 3 | 61.3 | | | | | | | | |
| 12345678 | | | | | 4 | 4 | 51.8 | | | | | | | | |
| | | | | | 8 | 5.7 | 47.1 | | | | | | | | |
| 12345678S | | | | | 10 | 6.3 | 45.5 | | | | | | | | |
| 12345678S | | | | | 16 | 8.2 | 42.3 | | | | | | | | |
| | | | | | 20 | 9.2 | 40.7 | | | | | | | | |
| | | | | | 25 | 10.3 | 39.1 | | | | | | | | |
| | | | | | 31.25 | 11.5 | 37.6 | | | | | | | | |
| | | | | | 62.5 | 16.7 | 32.7 | | | | | | | | |
| | | | | | 100 | 21.6 | 29.3 | | | | | | | | |

ISO Standards

ISO11801 Channel Class C

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 40 | i | 555 | 50 | 1 | 4.2 | 39.1 | 15.0 | 34.9 | | | | |
| 12345678 | | | | | 4 | 7.6 | 29.2 | 15.0 | 21.6 | | | | |
| | | | | | 8 | 10.4 | 24.3 | 15.0 | 13.9 | | | | |
| 12345678S | | | | | 10 | 11.5 | 22.7 | 15.0 | 11.2 | | | | |
| 12345678S | | | | | 16 | 14.4 | 19.4 | 15.0 | 5.0 | | | | |

ISO11801 Channel Class D

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 60.0 | 17.0 | 56.0 | 57.4 | 57.0 | 53.0 | 54.4 |
| 12345678 | | | | | 4 | 4.5 | 53.5 | 17.0 | 49.0 | 45.4 | 50.5 | 46.0 | 42.4 |
| | | | | | 8 | 6.4 | 48.6 | 17.0 | 42.2 | 39.3 | 45.6 | 39.2 | 36.3 |
| 12345678S | | | | | 10 | 7.2 | 47.0 | 17.0 | 39.8 | 37.4 | 44.0 | 36.8 | 34.4 |
| 12345678S | | | | | 16 | 9.1 | 43.6 | 17.0 | 34.5 | 33.3 | 40.6 | 31.5 | 30.3 |
| | | | | | 20 | 10.2 | 42.0 | 17.0 | 31.8 | 31.4 | 39.0 | 28.8 | 28.4 |
| | | | | | 25 | 11.5 | 40.3 | 16.0 | 28.9 | 29.4 | 37.3 | 25.9 | 26.4 |
| | | | | | 31.25 | 12.9 | 38.7 | 15.1 | 25.8 | 27.5 | 35.7 | 22.8 | 24.5 |
| | | | | | 62.5 | 18.6 | 33.6 | 12.0 | 15.0 | 21.5 | 30.6 | 12.0 | 18.5 |
| | | | | | 100 | 24 | 30.1 | 10.0 | 6.1 | 17.4 | 27.1 | 3.1 | 14.4 |

ISO11801 Channel Class E

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 63.3 | 62.0 | 58.0 | 60.3 |
| 12345678 | | | | | 4 | 4.2 | 63.0 | 19.0 | 58.9 | 51.2 | 60.5 | 56.4 | 48.2 |
| | | | | | 8 | 5.9 | 58.2 | 19.0 | 52.3 | 45.2 | 55.6 | 49.7 | 42.2 |
| 12345678S | | | | | 10 | 6.6 | 56.6 | 19.0 | 50.0 | 43.3 | 54.0 | 47.4 | 40.3 |
| 12345678S | | | | | 16 | 8.3 | 53.2 | 18.0 | 44.9 | 39.2 | 50.6 | 42.3 | 36.2 |
| | | | | | 20 | 9.3 | 51.6 | 17.5 | 42.3 | 37.2 | 49.0 | 39.7 | 34.2 |
| | | | | | 25 | 10.5 | 50.0 | 17.0 | 39.6 | 35.3 | 47.3 | 36.9 | 32.3 |
| | | | | | 31.25 | 11.7 | 48.4 | 16.5 | 36.7 | 33.4 | 45.7 | 34.0 | 30.4 |
| | | | | | 62.5 | 16.9 | 43.4 | 14.0 | 26.5 | 27.3 | 40.6 | 23.7 | 24.3 |
| | | | | | 100 | 21.7 | 39.9 | 12.0 | 18.2 | 23.3 | 37.1 | 15.4 | 20.3 |
| | | | | | 200 | 31.7 | 34.8 | 9.0 | 3.1 | 17.2 | 31.9 | 0.1 | 14.2 |
| | | | | | 250 | 35.9 | 33.1 | 8.0 | -2.8 | 15.3 | 30.2 | -5.8 | 12.3 |

ISO11801 Channel Class F

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 65.0 | 62.0 | 58.0 | 62.0 |
| 12345678 | | | | | 4 | 4.1 | 65.0 | 19.0 | 60.9 | 65.0 | 62.0 | 57.9 | 62.0 |
| | | | | | 8 | 5.7 | 65.0 | 19.0 | 59.3 | 62.4 | 62.0 | 56.3 | 59.4 |
| 12345678S | | | | | 10 | 6.4 | 65.0 | 19.0 | 58.6 | 60.8 | 62.0 | 55.6 | 57.8 |
| 12345678S | | | | | 16 | 8.1 | 65.0 | 18.0 | 56.9 | 57.5 | 62.0 | 53.9 | 54.5 |
| | | | | | 20 | 9.1 | 65.0 | 17.5 | 55.9 | 55.9 | 62.0 | 52.9 | 52.9 |
| | | | | | 25 | 10.2 | 65.0 | 17.0 | 54.8 | 54.4 | 62.0 | 51.8 | 51.4 |
| | | | | | 31.25 | 11.4 | 65.0 | 16.5 | 53.6 | 52.8 | 62.0 | 50.6 | 49.8 |
| | | | | | 62.5 | 16.3 | 65.0 | 14.0 | 48.7 | 47.8 | 62.0 | 45.7 | 44.8 |
| | | | | | 100 | 20.8 | 62.9 | 12.0 | 42.1 | 44.4 | 59.9 | 39.1 | 41.4 |
| | | | | | 200 | 30 | 58.3 | 9.0 | 28.4 | 39.4 | 55.3 | 25.4 | 36.4 |
| | | | | | 250 | 33.8 | 56.9 | 8.0 | 23.1 | 37.8 | 53.9 | 20.1 | 34.8 |
| | | | | | 600 | 54.6 | 51.2 | 8.0 | -3.4 | 31.3 | 48.2 | -6.4 | 28.3 |

ISO TR24750 Ch 3N746 0-55m

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 63.3 | 62.0 | 58.0 | 60.3 |
| 12345678 | | | | | 4 | 4 | 63.0 | 19.0 | 59.0 | 51.2 | 60.5 | 56.5 | 48.2 |
| | | | | | 8 | 4 | 58.2 | 19.0 | 54.2 | 45.2 | 55.6 | 51.6 | 42.2 |
| 12345678S | | | | | 10 | 4 | 56.6 | 19.0 | 52.6 | 43.3 | 54.0 | 50.0 | 40.3 |
| 12345678S | | | | | 16 | 4.7 | 53.2 | 18.0 | 48.5 | 39.2 | 50.6 | 45.9 | 36.2 |
| | | | | | 20 | 5.3 | 51.6 | 17.5 | 46.3 | 37.2 | 49.0 | 43.7 | 34.2 |
| | | | | | 25 | 5.9 | 50.0 | 17.0 | 44.1 | 35.3 | 47.3 | 41.4 | 32.3 |
| | | | | | 31.25 | 6.7 | 48.4 | 16.5 | 41.8 | 33.4 | 45.7 | 39.1 | 30.4 |
| | | | | | 62.5 | 9.6 | 43.4 | 14.0 | 33.8 | 27.3 | 40.6 | 31.0 | 24.3 |
| | | | | | 100 | 12.3 | 39.9 | 12.0 | 27.6 | 23.3 | 37.1 | 24.8 | 20.3 |
| | | | | | 200 | 18 | 34.8 | 9.0 | 16.8 | 17.2 | 31.9 | 13.9 | 14.2 |
| | | | | | 250 | 20.3 | 33.1 | 8.0 | 12.8 | 15.3 | 30.2 | 9.8 | 12.3 |
| | | | | | 350 | 24.6 | 29.7 | 6.6 | 5.1 | 12.4 | 26.9 | 2.3 | 9.4 |
| | 500 | 30.2 | 22.0 | 6.0 | -8.2 | 9.3 | 20.4 | -9.8 | 6.3 | | | | |

ISO TR24750 Ch 3N746 55-100m

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|-------|-------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 63.3 | 62.0 | 58.0 | 60.3 |
| 12345678 | | | | | 4 | 4.2 | 63.0 | 19.0 | 58.9 | 51.2 | 60.5 | 56.4 | 48.2 |
| | | | | | 8 | 5.9 | 58.2 | 19.0 | 52.3 | 45.2 | 55.6 | 49.7 | 42.2 |
| 12345678S | | | | | 10 | 6.6 | 56.6 | 19.0 | 50.0 | 43.3 | 54.0 | 47.4 | 40.3 |
| 12345678S | | | | | 16 | 8.3 | 53.2 | 18.0 | 44.9 | 39.2 | 50.6 | 42.3 | 36.2 |
| | | | | | 20 | 9.3 | 51.6 | 17.5 | 42.3 | 37.2 | 49.0 | 39.7 | 34.2 |
| | | | | | 25 | 10.5 | 50.0 | 17.0 | 39.6 | 35.3 | 47.3 | 36.9 | 32.3 |
| | | | | | 31.25 | 11.7 | 48.4 | 16.5 | 36.7 | 33.4 | 45.7 | 34.0 | 30.4 |
| | | | | | 62.5 | 16.9 | 43.4 | 14.0 | 26.5 | 27.3 | 40.6 | 23.7 | 24.3 |
| | | | | | 100 | 21.7 | 39.9 | 12.0 | 18.2 | 23.3 | 37.1 | 15.4 | 20.3 |
| | | | | | 200 | 31.7 | 34.8 | 9.0 | 3.1 | 17.2 | 31.9 | 0.1 | 14.2 |
| | | | | | 250 | 35.9 | 33.1 | 8.0 | -2.8 | 15.3 | 30.2 | -5.8 | 12.3 |
| | | | | | 350 | 43.5 | 29.7 | 6.6 | -13.8 | 12.4 | 26.9 | -16.5 | 9.4 |
| | 500 | 53.4 | 22.0 | 6.0 | -31.4 | 9.3 | 20.4 | -33.0 | 6.3 | | | | |

ISO AugCI E Ch 3N753
DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 63.3 | 62.0 | 58.0 | 60.3 |
| 12345678 | | | | | 4 | 4.1 | 63.0 | 19.0 | 59.0 | 51.2 | 60.5 | 56.5 | 48.2 |
| | | | | | 8 | 5.7 | 58.2 | 19.0 | 52.4 | 45.2 | 55.6 | 49.9 | 42.2 |
| 12345678S | | | | | 10 | 6.4 | 56.6 | 19.0 | 50.2 | 43.3 | 54.0 | 47.6 | 40.3 |
| 12345678S | | | | | 16 | 8.1 | 53.2 | 18.0 | 45.1 | 39.2 | 50.6 | 42.5 | 36.2 |
| | | | | | 20 | 9.1 | 51.6 | 17.5 | 42.6 | 37.2 | 49.0 | 39.9 | 34.2 |
| | | | | | 25 | 10.2 | 50.0 | 17.0 | 39.9 | 35.3 | 47.3 | 37.2 | 32.3 |
| | | | | | 31.25 | 11.4 | 48.4 | 16.5 | 37.0 | 33.4 | 45.7 | 34.3 | 30.4 |
| | | | | | 62.5 | 16.3 | 43.4 | 14.0 | 27.1 | 27.3 | 40.6 | 24.3 | 24.3 |
| | | | | | 100 | 20.8 | 39.9 | 12.0 | 19.2 | 23.3 | 37.1 | 16.3 | 20.3 |
| | | | | | 200 | 30 | 34.8 | 9.0 | 4.8 | 17.2 | 31.9 | 1.9 | 14.2 |
| | | | | | 250 | 33.8 | 33.1 | 8.0 | -0.7 | 15.3 | 30.2 | -3.6 | 12.3 |
| | | | | | 350 | 40.5 | 30.6 | 8.0 | -10.0 | 12.4 | 27.6 | -13.0 | 9.4 |
| | | | | | 500 | 49.3 | 27.9 | 8.0 | -21.4 | 9.3 | 24.8 | -24.5 | 6.3 |

ISO11801 PL max Class C

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 34 | i | 498 | 44 | 1 | 4 | 40.1 | 15.0 | 36.1 | | | | |
| 12345678 | | | | | 4 | 6.4 | 30.6 | 15.0 | 24.2 | | | | |
| | | | | | 8 | 8.8 | 25.8 | 15.0 | 17.0 | | | | |
| 12345678S | | | | | 10 | 9.8 | 24.3 | 15.0 | 14.5 | | | | |
| 12345678S | | | | | 16 | 12.2 | 21.1 | 15.0 | 8.8 | | | | |

ISO11801 PL max Class D

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 60.0 | 19.0 | 56.0 | 58.6 | 57.0 | 53.0 | 55.6 |
| 12345678 | | | | | 4 | 4 | 54.8 | 19.0 | 50.8 | 46.6 | 51.8 | 47.8 | 43.6 |
| | | | | | 8 | 5.4 | 50.0 | 19.0 | 44.6 | 40.6 | 47.0 | 41.6 | 37.6 |
| 12345678S | | | | | 10 | 6.1 | 48.5 | 19.0 | 42.4 | 38.6 | 45.5 | 39.4 | 35.6 |
| 12345678S | | | | | 16 | 7.7 | 45.2 | 19.0 | 37.5 | 34.5 | 42.2 | 34.5 | 31.5 |
| | | | | | 20 | 8.7 | 43.7 | 19.0 | 35.0 | 32.6 | 40.7 | 32.0 | 29.6 |
| | | | | | 25 | 9.7 | 42.1 | 18.0 | 32.4 | 30.7 | 39.1 | 29.4 | 27.7 |
| | | | | | 31.25 | 10.9 | 40.5 | 17.1 | 29.6 | 28.7 | 37.5 | 26.6 | 25.7 |
| | | | | | 62.5 | 15.8 | 35.7 | 14.0 | 19.8 | 22.7 | 32.7 | 16.8 | 19.7 |
| | | | | | 100 | 20.4 | 32.3 | 12.0 | 11.9 | 18.6 | 29.3 | 8.9 | 15.6 |

ISO11801 PL max Class E

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 65.0 | 21.0 | 61.0 | 64.2 | 62.0 | 58.0 | 61.2 |
| 12345678 | | | | | 4 | 4 | 64.1 | 21.0 | 60.1 | 52.1 | 61.8 | 57.8 | 49.1 |
| | | | | | 8 | 5 | 59.4 | 21.0 | 54.4 | 46.1 | 57.0 | 52.0 | 43.1 |
| 12345678S | | | | | 10 | 5.6 | 57.8 | 21.0 | 52.2 | 44.2 | 55.5 | 49.9 | 41.2 |
| 12345678S | | | | | 16 | 7.1 | 54.6 | 20.0 | 47.5 | 40.1 | 52.2 | 45.1 | 37.1 |
| | | | | | 20 | 7.9 | 53.1 | 19.5 | 45.1 | 38.2 | 50.7 | 42.7 | 35.2 |
| | | | | | 25 | 8.9 | 51.5 | 19.0 | 42.6 | 36.2 | 49.1 | 40.2 | 33.2 |
| | | | | | 31.25 | 10 | 50.0 | 18.5 | 40.0 | 34.3 | 47.5 | 37.5 | 31.3 |
| | | | | | 62.5 | 14.4 | 45.1 | 16.0 | 30.7 | 28.3 | 42.7 | 28.2 | 25.3 |
| | | | | | 100 | 18.5 | 41.8 | 14.0 | 23.3 | 24.2 | 39.3 | 20.8 | 21.2 |
| | | | | | 200 | 27.1 | 36.9 | 11.0 | 9.9 | 18.2 | 34.3 | 7.2 | 15.2 |
| | | | | | 250 | 30.7 | 35.3 | 10.0 | 4.7 | 16.2 | 32.7 | 2.0 | 13.2 |

ISO11801 PL max Class F

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 65.0 | 21.0 | 61.0 | 65.0 | 62.0 | 58.0 | 62.0 |
| 12345678 | | | | | 4 | 4 | 65.0 | 21.0 | 61.0 | 65.0 | 62.0 | 58.0 | 62.0 |
| | | | | | 8 | 4.9 | 65.0 | 21.0 | 60.1 | 64.3 | 62.0 | 57.1 | 61.3 |
| 12345678S | | | | | 10 | 5.5 | 65.0 | 21.0 | 59.5 | 62.7 | 62.0 | 56.5 | 59.7 |
| 12345678S | | | | | 16 | 6.9 | 65.0 | 20.0 | 58.1 | 59.3 | 62.0 | 55.1 | 56.3 |
| | | | | | 20 | 7.7 | 65.0 | 19.5 | 57.3 | 57.7 | 62.0 | 54.3 | 54.7 |
| | | | | | 25 | 8.7 | 65.0 | 19.0 | 56.3 | 56.1 | 62.0 | 53.3 | 53.1 |
| | | | | | 31.25 | 9.7 | 65.0 | 18.5 | 55.3 | 54.5 | 62.0 | 52.3 | 51.5 |
| | | | | | 62.5 | 13.9 | 65.0 | 16.0 | 51.1 | 49.5 | 62.0 | 48.1 | 46.5 |
| | | | | | 100 | 17.7 | 65.0 | 14.0 | 47.3 | 46.0 | 62.0 | 44.3 | 43.0 |
| | | | | | 200 | 25.6 | 61.9 | 11.0 | 36.3 | 40.9 | 58.9 | 33.3 | 37.9 |
| | | | | | 250 | 28.8 | 60.4 | 10.0 | 31.6 | 39.2 | 57.4 | 28.6 | 36.2 |
| | | | | | 600 | 46.6 | 54.7 | 10.0 | 8.1 | 32.6 | 51.7 | 5.1 | 29.6 |

ISO AugCI E PL 3N753
DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 65.0 | 19.1 | 61.0 | 64.2 | 62.0 | 58.0 | 61.2 |
| 12345678 | | | | | 4 | 4 | 64.1 | 21.0 | 60.1 | 52.1 | 61.8 | 57.8 | 49.1 |
| | | | | | 8 | 4.9 | 59.4 | 21.0 | 54.5 | 46.1 | 57.0 | 52.1 | 43.1 |
| 12345678S | | | | | 10 | 5.5 | 57.8 | 21.0 | 52.4 | 44.2 | 55.5 | 50.0 | 41.2 |
| 12345678S | | | | | 16 | 6.9 | 54.6 | 20.0 | 47.7 | 40.1 | 52.2 | 45.3 | 37.1 |
| | | | | | 20 | 7.7 | 53.1 | 19.5 | 45.3 | 38.2 | 50.7 | 42.9 | 35.2 |
| | | | | | 25 | 8.7 | 51.5 | 19.0 | 42.9 | 36.2 | 49.1 | 40.4 | 33.2 |
| | | | | | 31.25 | 9.7 | 50.0 | 18.5 | 40.3 | 34.3 | 47.5 | 37.8 | 31.3 |
| | | | | | 62.5 | 13.9 | 45.1 | 16.0 | 31.3 | 28.3 | 42.7 | 28.8 | 25.3 |
| | | | | | 100 | 17.7 | 41.8 | 14.0 | 24.1 | 24.2 | 39.3 | 21.6 | 21.2 |
| | | | | | 200 | 25.6 | 36.9 | 11.0 | 11.4 | 18.2 | 34.3 | 8.7 | 15.2 |
| | | | | | 250 | 28.8 | 35.3 | 10.0 | 6.5 | 16.2 | 32.7 | 3.9 | 13.2 |
| | | | | | 350 | 34.6 | 32.9 | 10.0 | -1.7 | 13.3 | 30.3 | -4.3 | 10.3 |
| | | | | | 500 | 42.1 | 30.4 | 10.0 | -11.7 | 10.2 | 27.6 | -14.4 | 7.2 |

ISO11801 Class D (1995)

OBSOLETE STANDARD

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | | |
|-----------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|--|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | | |
| 12345678 | 40 | 100 | 1000 | 50 | 1 | 2.5 | 54.0 | | | | | | | | |
| 12345678 | | | | | 4 | 4.8 | 45.0 | | | | | | | | |
| | | | | | 8 | 6.7 | 41.0 | | | | | | | | |
| 12345678S | | | | | 10 | 7.5 | 39.0 | | | | | | | | |
| 12345678S | | | | | 16 | 9.4 | 36.0 | | | | | | | | |
| | | | | | 20 | 10.5 | 35.0 | | | | | | | | |
| | | | | | 25 | 11.7 | 33.7 | | | | | | | | |
| | | | | | 31.25 | 13.1 | 32.0 | | | | | | | | |
| | | | | | 62.5 | 18.4 | 27.0 | | | | | | | | |
| | | | | | 100 | 23.2 | 24.0 | | | | | | | | |

Aus/NZ Standards

Aus/NZ Channel Class C

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 40 | i | 555 | 50 | 1 | 4.2 | 39.1 | 15.0 | 34.9 | | | | |
| 12345678 | | | | | 4 | 7.6 | 29.2 | 15.0 | 21.6 | | | | |
| | | | | | 8 | 10.4 | 24.3 | 15.0 | 13.9 | | | | |
| 12345678S | | | | | 10 | 11.5 | 22.7 | 15.0 | 11.2 | | | | |
| 12345678S | | | | | 16 | 14.4 | 19.4 | 15.0 | 5.0 | | | | |

Aus/NZ Channel Class D

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 60.0 | 17.0 | 56.0 | 57.4 | 57.0 | 53.0 | 54.4 |
| 12345678 | | | | | 4 | 4.5 | 53.5 | 17.0 | 49.0 | 45.4 | 50.5 | 46.0 | 42.4 |
| | | | | | 8 | 6.4 | 48.6 | 17.0 | 42.2 | 39.3 | 45.6 | 39.2 | 36.3 |
| 12345678S | | | | | 10 | 7.2 | 47.0 | 17.0 | 39.8 | 37.4 | 44.0 | 36.8 | 34.4 |
| 12345678S | | | | | 16 | 9.1 | 43.6 | 17.0 | 34.5 | 33.3 | 40.6 | 31.5 | 30.3 |
| | | | | | 20 | 10.2 | 42.0 | 17.0 | 31.8 | 31.4 | 39.0 | 28.8 | 28.4 |
| | | | | | 25 | 11.5 | 40.3 | 16.0 | 28.9 | 29.4 | 37.3 | 25.9 | 26.4 |
| | | | | | 31.25 | 12.9 | 38.7 | 15.1 | 25.8 | 27.5 | 35.7 | 22.8 | 24.5 |
| | | | | | 62.5 | 18.6 | 33.6 | 12.0 | 15.0 | 21.5 | 30.6 | 12.0 | 18.5 |
| | | | | | 100 | 24 | 30.1 | 10.0 | 6.1 | 17.4 | 27.1 | 3.1 | 14.4 |

Aus/NZ Channel Class E

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 63.3 | 62.0 | 58.0 | 60.3 |
| 12345678 | | | | | 4 | 4.2 | 63.0 | 19.0 | 58.9 | 51.2 | 60.5 | 56.4 | 48.2 |
| | | | | | 8 | 5.9 | 58.2 | 19.0 | 52.3 | 45.2 | 55.6 | 49.7 | 42.2 |
| 12345678S | | | | | 10 | 6.6 | 56.6 | 19.0 | 50.0 | 43.3 | 54.0 | 47.4 | 40.3 |
| 12345678S | | | | | 16 | 8.3 | 53.2 | 18.0 | 44.9 | 39.2 | 50.6 | 42.3 | 36.2 |
| | | | | | 20 | 9.3 | 51.6 | 17.5 | 42.3 | 37.2 | 49.0 | 39.7 | 34.2 |
| | | | | | 25 | 10.5 | 50.0 | 17.0 | 39.6 | 35.3 | 47.3 | 36.9 | 32.3 |
| | | | | | 31.25 | 11.7 | 48.4 | 16.5 | 36.7 | 33.4 | 45.7 | 34.0 | 30.4 |
| | | | | | 62.5 | 16.9 | 43.4 | 14.0 | 26.5 | 27.3 | 40.6 | 23.7 | 24.3 |
| | | | | | 100 | 21.7 | 39.9 | 12.0 | 18.2 | 23.3 | 37.1 | 15.4 | 20.3 |
| | | | | | 200 | 31.7 | 34.8 | 9.0 | 3.1 | 17.2 | 31.9 | 0.1 | 14.2 |
| | | | | | 250 | 35.9 | 33.1 | 8.0 | -2.8 | 15.3 | 30.2 | -5.8 | 12.3 |

Aus/NZ PL max Class C

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 34 | i | 498 | 44 | 1 | 4 | 40.1 | 15.0 | 36.1 | | | | |
| 12345678 | | | | | 4 | 6.4 | 30.6 | 15.0 | 24.2 | | | | |
| | | | | | 8 | 8.8 | 25.8 | 15.0 | 17.0 | | | | |
| 12345678S | | | | | 10 | 9.8 | 24.3 | 15.0 | 14.5 | | | | |
| 12345678S | | | | | 16 | 12.2 | 21.1 | 15.0 | 8.8 | | | | |

Aus/NZ PL max Class D

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 60.0 | 19.0 | 56.0 | 58.6 | 57.0 | 53.0 | 55.6 |
| 12345678 | | | | | 4 | 4 | 54.8 | 19.0 | 50.8 | 46.6 | 51.8 | 47.8 | 43.6 |
| | | | | | 8 | 5.4 | 50.0 | 19.0 | 44.6 | 40.6 | 47.0 | 41.6 | 37.6 |
| 12345678S | | | | | 10 | 6.1 | 48.5 | 19.0 | 42.4 | 38.6 | 45.5 | 39.4 | 35.6 |
| 12345678S | | | | | 16 | 7.7 | 45.2 | 19.0 | 37.5 | 34.5 | 42.2 | 34.5 | 31.5 |
| | | | | | 20 | 8.7 | 43.7 | 19.0 | 35.0 | 32.6 | 40.7 | 32.0 | 29.6 |
| | | | | | 25 | 9.7 | 42.1 | 18.0 | 32.4 | 30.7 | 39.1 | 29.4 | 27.7 |
| | | | | | 31.25 | 10.9 | 40.5 | 17.1 | 29.6 | 28.7 | 37.5 | 26.6 | 25.7 |
| | | | | | 62.5 | 15.8 | 35.7 | 14.0 | 19.8 | 22.7 | 32.7 | 16.8 | 19.7 |
| | | | | | 100 | 20.4 | 32.3 | 12.0 | 11.9 | 18.6 | 29.3 | 8.9 | 15.6 |

Aus/NZ PL max Class E

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 65.0 | 21.0 | 61.0 | 64.2 | 62.0 | 58.0 | 61.2 |
| 12345678 | | | | | 4 | 4 | 64.1 | 21.0 | 60.1 | 52.1 | 61.8 | 57.8 | 49.1 |
| | | | | | 8 | 5 | 59.4 | 21.0 | 54.4 | 46.1 | 57.0 | 52.0 | 43.1 |
| 12345678S | | | | | 10 | 5.6 | 57.8 | 21.0 | 52.2 | 44.2 | 55.5 | 49.9 | 41.2 |
| 12345678S | | | | | 16 | 7.1 | 54.6 | 20.0 | 47.5 | 40.1 | 52.2 | 45.1 | 37.1 |
| | | | | | 20 | 7.9 | 53.1 | 19.5 | 45.1 | 38.2 | 50.7 | 42.7 | 35.2 |
| | | | | | 25 | 8.9 | 51.5 | 19.0 | 42.6 | 36.2 | 49.1 | 40.2 | 33.2 |
| | | | | | 31.25 | 10 | 50.0 | 18.5 | 40.0 | 34.3 | 47.5 | 37.5 | 31.3 |
| | | | | | 62.5 | 14.4 | 45.1 | 16.0 | 30.7 | 28.3 | 42.7 | 28.2 | 25.3 |
| | | | | | 100 | 18.5 | 41.8 | 14.0 | 23.3 | 24.2 | 39.3 | 20.8 | 21.2 |
| | | | | | 200 | 27.1 | 36.9 | 11.0 | 9.9 | 18.2 | 34.3 | 7.2 | 15.2 |
| | | | | | 250 | 30.7 | 35.3 | 10.0 | 4.7 | 16.2 | 32.7 | 2.0 | 13.2 |

Chinese Standards

China GBT 50312-2k Cat 3

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 90 | i | 45 | 1 | 3.2 | 40.1 | | | | | | |
| 12345678 | | | | | 4 | 6.1 | 30.7 | | | | | | |
| | | | | | 8 | 8.8 | 25.9 | | | | | | |
| 12345678S | | | | | 10 | 10 | 24.3 | | | | | | |
| 12345678S | | | | | 16 | 13.2 | 21.0 | | | | | | |

China GBT 50312-2k Cat 5

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 90 | 498 | 44 | 1 | 3 | 60.0 | 15.0 | 57.0 | 57.0 | | | 54.4 |
| 12345678 | | | | | 4 | 4 | 51.8 | 15.0 | 47.8 | 45.0 | | | 42.4 |
| | | | | | 8 | 5.7 | 47.1 | 15.0 | 41.4 | 38.9 | | | 36.3 |
| 12345678S | | | | | 10 | 6.4 | 45.5 | 15.0 | 39.1 | 37.0 | | | 34.4 |
| 12345678S | | | | | 16 | 8.1 | 42.3 | 15.0 | 34.1 | 32.9 | | | 30.3 |
| | | | | | 20 | 9.1 | 40.7 | 15.0 | 31.6 | 31.0 | | | 28.4 |
| | | | | | 25 | 10.3 | 39.1 | 14.3 | 28.9 | 29.0 | | | 26.4 |
| | | | | | 31.25 | 11.6 | 37.6 | 13.6 | 26.0 | 27.1 | | | 24.5 |
| | | | | | 62.5 | 16.7 | 32.7 | 11.5 | 15.9 | 21.1 | | | 18.5 |
| | | | | | 100 | 21.6 | 29.3 | 10.1 | 7.7 | 17.0 | | | 14.4 |

EN (European) Standards

EN50173 Channel Class C

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 40 | i | 555 | 50 | 1 | 4.2 | 39.1 | 15.0 | 34.9 | | | | |
| 12345678 | | | | | 4 | 7.6 | 29.2 | 15.0 | 21.6 | | | | |
| | | | | | 8 | 10.4 | 24.3 | 15.0 | 13.9 | | | | |
| 12345678S | | | | | 10 | 11.5 | 22.7 | 15.0 | 11.2 | | | | |
| 12345678S | | | | | 16 | 14.4 | 19.4 | 15.0 | 5.0 | | | | |

EN50173 Channel Class D

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 60.0 | 17.0 | 56.0 | 57.4 | 57.0 | 53.0 | 54.4 |
| 12345678 | | | | | 4 | 4.5 | 53.5 | 17.0 | 49.0 | 45.4 | 50.5 | 46.0 | 42.4 |
| | | | | | 8 | 6.4 | 48.6 | 17.0 | 42.2 | 39.3 | 45.6 | 39.2 | 36.3 |
| 12345678S | | | | | 10 | 7.2 | 47.0 | 17.0 | 39.8 | 37.4 | 44.0 | 36.8 | 34.4 |
| 12345678S | | | | | 16 | 9.1 | 43.6 | 17.0 | 34.5 | 33.3 | 40.6 | 31.5 | 30.3 |
| | | | | | 20 | 10.2 | 42.0 | 17.0 | 31.8 | 31.4 | 39.0 | 28.8 | 28.4 |
| | | | | | 25 | 11.5 | 40.3 | 16.0 | 28.9 | 29.4 | 37.3 | 25.9 | 26.4 |
| | | | | | 31.25 | 12.9 | 38.7 | 15.1 | 25.8 | 27.5 | 35.7 | 22.8 | 24.5 |
| | | | | | 62.5 | 18.6 | 33.6 | 12.0 | 15.0 | 21.5 | 30.6 | 12.0 | 18.5 |
| | | | | | 100 | 24 | 30.1 | 10.0 | 6.1 | 17.4 | 27.1 | 3.1 | 14.4 |

EN50173 Channel Class E

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 63.3 | 62.0 | 58.0 | 60.3 |
| 12345678 | | | | | 4 | 4.2 | 63.0 | 19.0 | 58.9 | 51.2 | 60.5 | 56.4 | 48.2 |
| | | | | | 8 | 5.9 | 58.2 | 19.0 | 52.3 | 45.2 | 55.6 | 49.7 | 42.2 |
| 12345678S | | | | | 10 | 6.6 | 56.6 | 19.0 | 50.0 | 43.3 | 54.0 | 47.4 | 40.3 |
| 12345678S | | | | | 16 | 8.3 | 53.2 | 18.0 | 44.9 | 39.2 | 50.6 | 42.3 | 36.2 |
| | | | | | 20 | 9.3 | 51.6 | 17.5 | 42.3 | 37.2 | 49.0 | 39.7 | 34.2 |
| | | | | | 25 | 10.5 | 50.0 | 17.0 | 39.6 | 35.3 | 47.3 | 36.9 | 32.3 |
| | | | | | 31.25 | 11.7 | 48.4 | 16.5 | 36.7 | 33.4 | 45.7 | 34.0 | 30.4 |
| | | | | | 62.5 | 16.9 | 43.4 | 14.0 | 26.5 | 27.3 | 40.6 | 23.7 | 24.3 |
| | | | | | 100 | 21.7 | 39.9 | 12.0 | 18.2 | 23.3 | 37.1 | 15.4 | 20.3 |
| | | | | | 200 | 31.7 | 34.8 | 9.0 | 3.1 | 17.2 | 31.9 | 0.1 | 14.2 |
| | | | | | 250 | 35.9 | 33.1 | 8.0 | -2.8 | 15.3 | 30.2 | -5.8 | 12.3 |

EN50173 Channel Class F

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 65.0 | 62.0 | 58.0 | 62.0 |
| 12345678 | | | | | 4 | 4.1 | 65.0 | 19.0 | 60.9 | 65.0 | 62.0 | 57.9 | 62.0 |
| | | | | | 8 | 5.7 | 65.0 | 19.0 | 59.3 | 62.4 | 62.0 | 56.3 | 59.4 |
| 12345678S | | | | | 10 | 6.4 | 65.0 | 19.0 | 58.6 | 60.8 | 62.0 | 55.6 | 57.8 |
| 12345678S | | | | | 16 | 8.1 | 65.0 | 18.0 | 56.9 | 57.5 | 62.0 | 53.9 | 54.5 |
| | | | | | 20 | 9.1 | 65.0 | 17.5 | 55.9 | 55.9 | 62.0 | 52.9 | 52.9 |
| | | | | | 25 | 10.2 | 65.0 | 17.0 | 54.8 | 54.4 | 62.0 | 51.8 | 51.4 |
| | | | | | 31.25 | 11.4 | 65.0 | 16.5 | 53.6 | 52.8 | 62.0 | 50.6 | 49.8 |
| | | | | | 62.5 | 16.3 | 65.0 | 14.0 | 48.7 | 47.8 | 62.0 | 45.7 | 44.8 |
| | | | | | 100 | 20.8 | 62.9 | 12.0 | 42.1 | 44.4 | 59.9 | 39.1 | 41.4 |
| | | | | | 200 | 30 | 58.3 | 9.0 | 28.4 | 39.4 | 55.3 | 25.4 | 36.4 |
| | | | | | 250 | 33.8 | 56.9 | 8.0 | 23.1 | 37.8 | 53.9 | 20.1 | 34.8 |
| | | | | | 600 | 54.6 | 51.2 | 8.0 | -3.4 | 31.3 | 48.2 | -6.4 | 28.3 |

EN50173 PL Class C

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 34 | i | 498 | 44 | 1 | 4 | 40.1 | 15.0 | 36.1 | | | | |
| 12345678 | | | | | 4 | 6.4 | 30.6 | 15.0 | 24.2 | | | | |
| | | | | | 8 | 8.8 | 25.8 | 15.0 | 17.0 | | | | |
| 12345678S | | | | | 10 | 9.8 | 24.3 | 15.0 | 14.5 | | | | |
| 12345678S | | | | | 16 | 12.2 | 21.1 | 15.0 | 8.8 | | | | |

EN50173 PL Class D

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 60.0 | 19.0 | 56.0 | 58.6 | 57.0 | 53.0 | 55.6 |
| 12345678 | | | | | 4 | 4 | 54.8 | 19.0 | 50.8 | 46.6 | 51.8 | 47.8 | 43.6 |
| | | | | | 8 | 5.4 | 50.0 | 19.0 | 44.6 | 40.6 | 47.0 | 41.6 | 37.6 |
| 12345678S | | | | | 10 | 6.1 | 48.5 | 19.0 | 42.4 | 38.6 | 45.5 | 39.4 | 35.6 |
| 12345678S | | | | | 16 | 7.7 | 45.2 | 19.0 | 37.5 | 34.5 | 42.2 | 34.5 | 31.5 |
| | | | | | 20 | 8.7 | 43.7 | 19.0 | 35.0 | 32.6 | 40.7 | 32.0 | 29.6 |
| | | | | | 25 | 9.7 | 42.1 | 18.0 | 32.4 | 30.7 | 39.1 | 29.4 | 27.7 |
| | | | | | 31.25 | 10.9 | 40.5 | 17.1 | 29.6 | 28.7 | 37.5 | 26.6 | 25.7 |
| | | | | | 62.5 | 15.8 | 35.7 | 14.0 | 19.8 | 22.7 | 32.7 | 16.8 | 19.7 |
| | | | | | 100 | 20.4 | 32.3 | 12.0 | 11.9 | 18.6 | 29.3 | 8.9 | 15.6 |

EN50173 PL Class E

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 65.0 | 21.0 | 61.0 | 64.2 | 62.0 | 58.0 | 61.2 |
| 12345678 | | | | | 4 | 4 | 64.1 | 21.0 | 60.1 | 52.1 | 61.8 | 57.8 | 49.1 |
| | | | | | 8 | 5 | 59.4 | 21.0 | 54.4 | 46.1 | 57.0 | 52.0 | 43.1 |
| 12345678S | | | | | 10 | 5.6 | 57.8 | 21.0 | 52.2 | 44.2 | 55.5 | 49.9 | 41.2 |
| 12345678S | | | | | 16 | 7.1 | 54.6 | 20.0 | 47.5 | 40.1 | 52.2 | 45.1 | 37.1 |
| | | | | | 20 | 7.9 | 53.1 | 19.5 | 45.1 | 38.2 | 50.7 | 42.7 | 35.2 |
| | | | | | 25 | 8.9 | 51.5 | 19.0 | 42.6 | 36.2 | 49.1 | 40.2 | 33.2 |
| | | | | | 31.25 | 10 | 50.0 | 18.5 | 40.0 | 34.3 | 47.5 | 37.5 | 31.3 |
| | | | | | 62.5 | 14.4 | 45.1 | 16.0 | 30.7 | 28.3 | 42.7 | 28.2 | 25.3 |
| | | | | | 100 | 18.5 | 41.8 | 14.0 | 23.3 | 24.2 | 39.3 | 20.8 | 21.2 |
| | | | | | 200 | 27.1 | 36.9 | 11.0 | 9.9 | 18.2 | 34.3 | 7.2 | 15.2 |
| | | | | | 250 | 30.7 | 35.3 | 10.0 | 4.7 | 16.2 | 32.7 | 2.0 | 13.2 |

EN50173 PL Class F

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 65.0 | 21.0 | 61.0 | 65.0 | 62.0 | 58.0 | 62.0 |
| 12345678 | | | | | 4 | 4 | 65.0 | 21.0 | 61.0 | 65.0 | 62.0 | 58.0 | 62.0 |
| | | | | | 8 | 4.9 | 65.0 | 21.0 | 60.1 | 64.3 | 62.0 | 57.1 | 61.3 |
| 12345678S | | | | | 10 | 5.5 | 65.0 | 21.0 | 59.5 | 62.7 | 62.0 | 56.5 | 59.7 |
| 12345678S | | | | | 16 | 6.9 | 65.0 | 20.0 | 58.1 | 59.3 | 62.0 | 55.1 | 56.3 |
| | | | | | 20 | 7.7 | 65.0 | 19.5 | 57.3 | 57.7 | 62.0 | 54.3 | 54.7 |
| | | | | | 25 | 8.7 | 65.0 | 19.0 | 56.3 | 56.1 | 62.0 | 53.3 | 53.1 |
| | | | | | 31.25 | 9.7 | 65.0 | 18.5 | 55.3 | 54.5 | 62.0 | 52.3 | 51.5 |
| | | | | | 62.5 | 13.9 | 65.0 | 16.0 | 51.1 | 49.5 | 62.0 | 48.1 | 46.5 |
| | | | | | 100 | 17.7 | 65.0 | 14.0 | 47.3 | 46.0 | 62.0 | 44.3 | 43.0 |
| | | | | | 200 | 25.6 | 61.9 | 11.0 | 36.3 | 40.9 | 58.9 | 33.3 | 37.9 |
| | | | | | 250 | 28.8 | 60.4 | 10.0 | 31.6 | 39.2 | 57.4 | 28.6 | 36.2 |
| | | | | | 600 | 46.6 | 54.7 | 10.0 | 8.1 | 32.6 | 51.7 | 5.1 | 29.6 |

Japanese Standards

JIS X5150:2004 Cl. D Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 60.0 | 17.0 | 56.0 | 57.4 | 57.0 | 53.0 | 54.4 |
| 12345678 | | | | | 4 | 4.5 | 53.5 | 17.0 | 49.0 | 45.4 | 50.5 | 46.0 | 42.4 |
| | | | | | 8 | 6.4 | 48.6 | 17.0 | 42.2 | 39.3 | 45.6 | 39.2 | 36.3 |
| 12345678S | | | | | 10 | 7.2 | 47.0 | 17.0 | 39.8 | 37.4 | 44.0 | 36.8 | 34.4 |
| 12345678S | | | | | 16 | 9.1 | 43.6 | 17.0 | 34.5 | 33.3 | 40.6 | 31.5 | 30.3 |
| | | | | | 20 | 10.2 | 42.0 | 17.0 | 31.8 | 31.4 | 39.0 | 28.8 | 28.4 |
| | | | | | 25 | 11.5 | 40.3 | 16.0 | 28.9 | 29.4 | 37.3 | 25.9 | 26.4 |
| | | | | | 31.25 | 12.9 | 38.7 | 15.1 | 25.8 | 27.5 | 35.7 | 22.8 | 24.5 |
| | | | | | 62.5 | 18.6 | 33.6 | 12.0 | 15.0 | 21.5 | 30.6 | 12.0 | 18.5 |
| | 100 | 24 | 30.1 | 10.0 | 6.1 | 17.4 | 27.1 | 3.1 | 14.4 | | | | |

JIS X5150:2004 Cl. E Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 63.3 | 62.0 | 58.0 | 60.3 |
| 12345678 | | | | | 4 | 4.2 | 63.0 | 19.0 | 58.9 | 51.2 | 60.5 | 56.4 | 48.2 |
| | | | | | 8 | 5.9 | 58.2 | 19.0 | 52.3 | 45.2 | 55.6 | 49.7 | 42.2 |
| 12345678S | | | | | 10 | 6.6 | 56.6 | 19.0 | 50.0 | 43.3 | 54.0 | 47.4 | 40.3 |
| 12345678S | | | | | 16 | 8.3 | 53.2 | 18.0 | 44.9 | 39.2 | 50.6 | 42.3 | 36.2 |
| | | | | | 20 | 9.3 | 51.6 | 17.5 | 42.3 | 37.2 | 49.0 | 39.7 | 34.2 |
| | | | | | 25 | 10.5 | 50.0 | 17.0 | 39.6 | 35.3 | 47.3 | 36.9 | 32.3 |
| | | | | | 31.25 | 11.7 | 48.4 | 16.5 | 36.7 | 33.4 | 45.7 | 34.0 | 30.4 |
| | | | | | 62.5 | 16.9 | 43.4 | 14.0 | 26.5 | 27.3 | 40.6 | 23.7 | 24.3 |
| | | | | | 100 | 21.7 | 39.9 | 12.0 | 18.2 | 23.3 | 37.1 | 15.4 | 20.3 |
| | | | | | 200 | 31.7 | 34.8 | 9.0 | 3.1 | 17.2 | 31.9 | 0.1 | 14.2 |
| | | | | | 250 | 35.9 | 33.1 | 8.0 | -2.8 | 15.3 | 30.2 | -5.8 | 12.3 |

JIS X5150:2004 Cl. F Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 25 | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | 61.0 | 65.0 | 62.0 | 58.0 | 62.0 |
| 12345678 | | | | | 4 | 4.1 | 65.0 | 19.0 | 60.9 | 65.0 | 62.0 | 57.9 | 62.0 |
| | | | | | 8 | 5.7 | 65.0 | 19.0 | 59.3 | 62.4 | 62.0 | 56.3 | 59.4 |
| 12345678S | | | | | 10 | 6.4 | 65.0 | 19.0 | 58.6 | 60.8 | 62.0 | 55.6 | 57.8 |
| 12345678S | | | | | 16 | 8.1 | 65.0 | 18.0 | 56.9 | 57.5 | 62.0 | 53.9 | 54.5 |
| | | | | | 20 | 9.1 | 65.0 | 17.5 | 55.9 | 55.9 | 62.0 | 52.9 | 52.9 |
| | | | | | 25 | 10.2 | 65.0 | 17.0 | 54.8 | 54.4 | 62.0 | 51.8 | 51.4 |
| | | | | | 31.25 | 11.4 | 65.0 | 16.5 | 53.6 | 52.8 | 62.0 | 50.6 | 49.8 |
| | | | | | 62.5 | 16.3 | 65.0 | 14.0 | 48.7 | 47.8 | 62.0 | 45.7 | 44.8 |
| | | | | | 100 | 20.8 | 62.9 | 12.0 | 42.1 | 44.4 | 59.9 | 39.1 | 41.4 |
| | | | | | 200 | 30 | 58.3 | 9.0 | 28.4 | 39.4 | 55.3 | 25.4 | 36.4 |
| | | | | | 250 | 33.8 | 56.9 | 8.0 | 23.1 | 37.8 | 53.9 | 20.1 | 34.8 |
| | | | | | 600 | 54.6 | 51.2 | 8.0 | -3.4 | 31.3 | 48.2 | -6.4 | 28.3 |

JIS X5150:2004 CI. D PL

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 60.0 | 19.0 | 56.0 | 58.6 | 57.0 | 53.0 | 55.6 |
| 12345678 | | | | | 4 | 4 | 54.8 | 19.0 | 50.8 | 46.6 | 51.8 | 47.8 | 43.6 |
| | | | | | 8 | 5.4 | 50.0 | 19.0 | 44.6 | 40.6 | 47.0 | 41.6 | 37.6 |
| 12345678S | | | | | 10 | 6.1 | 48.5 | 19.0 | 42.4 | 38.6 | 45.5 | 39.4 | 35.6 |
| 12345678S | | | | | 16 | 7.7 | 45.2 | 19.0 | 37.5 | 34.5 | 42.2 | 34.5 | 31.5 |
| | | | | | 20 | 8.7 | 43.7 | 19.0 | 35.0 | 32.6 | 40.7 | 32.0 | 29.6 |
| | | | | | 25 | 9.7 | 42.1 | 18.0 | 32.4 | 30.7 | 39.1 | 29.4 | 27.7 |
| | | | | | 31.25 | 10.9 | 40.5 | 17.1 | 29.6 | 28.7 | 37.5 | 26.6 | 25.7 |
| | | | | | 62.5 | 15.8 | 35.7 | 14.0 | 19.8 | 22.7 | 32.7 | 16.8 | 19.7 |
| | | | | | 100 | 20.4 | 32.3 | 12.0 | 11.9 | 18.6 | 29.3 | 8.9 | 15.6 |

JIS X5150:2004 CI. E PL

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 65.0 | 21.0 | 61.0 | 64.2 | 62.0 | 58.0 | 61.2 |
| 12345678 | | | | | 4 | 4 | 64.1 | 21.0 | 60.1 | 52.1 | 61.8 | 57.8 | 49.1 |
| | | | | | 8 | 5 | 59.4 | 21.0 | 54.4 | 46.1 | 57.0 | 52.0 | 43.1 |
| 12345678S | | | | | 10 | 5.6 | 57.8 | 21.0 | 52.2 | 44.2 | 55.5 | 49.9 | 41.2 |
| 12345678S | | | | | 16 | 7.1 | 54.6 | 20.0 | 47.5 | 40.1 | 52.2 | 45.1 | 37.1 |
| | | | | | 20 | 7.9 | 53.1 | 19.5 | 45.1 | 38.2 | 50.7 | 42.7 | 35.2 |
| | | | | | 25 | 8.9 | 51.5 | 19.0 | 42.6 | 36.2 | 49.1 | 40.2 | 33.2 |
| | | | | | 31.25 | 10 | 50.0 | 18.5 | 40.0 | 34.3 | 47.5 | 37.5 | 31.3 |
| | | | | | 62.5 | 14.4 | 45.1 | 16.0 | 30.7 | 28.3 | 42.7 | 28.2 | 25.3 |
| | | | | | 100 | 18.5 | 41.8 | 14.0 | 23.3 | 24.2 | 39.3 | 20.8 | 21.2 |
| | | | | | 200 | 27.1 | 36.9 | 11.0 | 9.9 | 18.2 | 34.3 | 7.2 | 15.2 |
| | | | | | 250 | 30.7 | 35.3 | 10.0 | 4.7 | 16.2 | 32.7 | 2.0 | 13.2 |

JIS X5150:2004 CI. F PL

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 21 | i | 498 | 44 | 1 | 4 | 65.0 | 21.0 | 61.0 | 65.0 | 62.0 | 58.0 | 62.0 |
| 12345678 | | | | | 4 | 4 | 65.0 | 21.0 | 61.0 | 65.0 | 62.0 | 58.0 | 62.0 |
| | | | | | 8 | 4.9 | 65.0 | 21.0 | 60.1 | 64.3 | 62.0 | 57.1 | 61.3 |
| 12345678S | | | | | 10 | 5.5 | 65.0 | 21.0 | 59.5 | 62.7 | 62.0 | 56.5 | 59.7 |
| 12345678S | | | | | 16 | 6.9 | 65.0 | 20.0 | 58.1 | 59.3 | 62.0 | 55.1 | 56.3 |
| | | | | | 20 | 7.7 | 65.0 | 19.5 | 57.3 | 57.7 | 62.0 | 54.3 | 54.7 |
| | | | | | 25 | 8.7 | 65.0 | 19.0 | 56.3 | 56.1 | 62.0 | 53.3 | 53.1 |
| | | | | | 31.25 | 9.7 | 65.0 | 18.5 | 55.3 | 54.5 | 62.0 | 52.3 | 51.5 |
| | | | | | 62.5 | 13.9 | 65.0 | 16.0 | 51.1 | 49.5 | 62.0 | 48.1 | 46.5 |
| | | | | | 100 | 17.7 | 65.0 | 14.0 | 47.3 | 46.0 | 62.0 | 44.3 | 43.0 |
| | | | | | 200 | 25.6 | 61.9 | 11.0 | 36.3 | 40.9 | 58.9 | 33.3 | 37.9 |
| | | | | | 250 | 28.8 | 60.4 | 10.0 | 31.6 | 39.2 | 57.4 | 28.6 | 36.2 |
| | | | | | 600 | 46.6 | 54.7 | 10.0 | 8.1 | 32.6 | 51.7 | 5.1 | 29.6 |

Korean Standards

Korean Cat 5e Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | 40 | 100 m | 555 | 50 | 1 | 2.2 | 60.0 | 17.0 | | 57.4 | 57.0 | | 54.4 |
| 12345678 | | | | | 4 | 4.5 | 53.5 | 17.0 | | 45.4 | 50.5 | | 42.4 |
| | | | | | 8 | 6.3 | 48.6 | 17.0 | | 39.3 | 45.6 | | 36.3 |
| 12345678S | | | | | 10 | 7.1 | 47.0 | 17.0 | | 37.4 | 44.0 | | 34.4 |
| 12345678S | | | | | 16 | 9.2 | 43.6 | 17.0 | | 33.3 | 40.6 | | 30.3 |
| | | | | | 100 | 24 | 30.1 | 10.0 | | 17.4 | 27.1 | | 14.4 |

Korean Cat 3 Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | | |
|-----------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|--|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | | |
| 12345678 | 25 | 100 m | 555 | 50 | 1 | 4.2 | 39.1 | | | | | | | | |
| 12345678 | | | | | 4 | 7.3 | 29.3 | | | | | | | | |
| | | | | | 8 | 10.2 | 24.3 | | | | | | | | |
| 12345678S | | | | | 10 | 11.5 | 22.7 | | | | | | | | |
| 12345678S | | | | | 16 | 14.9 | 19.2 | | | | | | | | |
| | | | | | | | | | | | | | | | |

Korean Pre-Deploy Comm

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | i | i | i | 1 | 3.7 | 39.0 | 18.0 | | | | | |
| 12345678 | | | | | 4 | 6.6 | 29.0 | 18.0 | | | | | |
| | | | | | 8 | 9.3 | 25.0 | 18.0 | | | | | |
| 12345678S | | | | | 10 | 10.7 | 23.0 | 18.0 | | | | | |
| 12345678S | | | | | 16 | 14 | 19.0 | 15.0 | | | | | |
| | | | | | | | | | | | | | |

Korean Pre-Deploy Res.

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | | | |
|-----------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|--|--|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | | | |
| 12345678 | i | i | i | i | 1 | 5.8 | 25.0 | | | | | | | | | |
| 12345678 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 12345678S | | | | | | | | | | | | | | | | |

Patch Cord Standards

ISO - ISO/IEC 11802:2002
TIA - ANSI/TIA/EIA-568-B.2-1
CLC - EN50173:2002

ISO Patch Cord Cat5e 0.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 62.1 | 22.5 | | | | | |
| | | | | | 10 | | 60.2 | 22.8 | | | | | |
| | | | | | 16 | | 56.2 | 23.4 | | | | | |
| | | | | | 20 | | 54.2 | 23.7 | | | | | |
| | | | | | 25 | | 52.3 | 24.0 | | | | | |
| | | | | | 31.25 | | 50.4 | 23.0 | | | | | |
| | | | | | 62.5 | | 44.5 | 20.0 | | | | | |
| | | | | | 100 | | 40.6 | 18.0 | | | | | |

ISO Patch Cord Cat5e 1.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 61.3 | 22.5 | | | | | |
| | | | | | 10 | | 59.4 | 22.8 | | | | | |
| | | | | | 16 | | 55.4 | 23.4 | | | | | |
| | | | | | 20 | | 53.5 | 23.7 | | | | | |
| | | | | | 25 | | 51.6 | 24.0 | | | | | |
| | | | | | 31.25 | | 49.7 | 23.0 | | | | | |
| | | | | | 62.5 | | 43.9 | 20.0 | | | | | |
| | | | | | 100 | | 39.9 | 18.0 | | | | | |

ISO Patch Cord Cat5e 1.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 60.7 | 22.5 | | | | | |
| | | | | | 10 | | 58.8 | 22.8 | | | | | |
| | | | | | 16 | | 54.8 | 23.4 | | | | | |
| | | | | | 20 | | 52.9 | 23.7 | | | | | |
| | | | | | 25 | | 51.0 | 24.0 | | | | | |
| | | | | | 31.25 | | 49.1 | 23.0 | | | | | |
| | | | | | 62.5 | | 43.3 | 20.0 | | | | | |
| | | | | | 100 | | 39.4 | 18.0 | | | | | |

ISO Patch Cord Cat5e 2.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 60.2 | 22.5 | | | | | | |
| | | | | | 10 | | 58.3 | 22.8 | | | | | | |
| | | | | | 16 | | 54.3 | 23.4 | | | | | | |
| | | | | | 20 | | 52.4 | 23.7 | | | | | | |
| | | | | | 25 | | 50.5 | 24.0 | | | | | | |
| | | | | | 31.25 | | 48.6 | 23.0 | | | | | | |
| | | | | | 62.5 | | 42.9 | 20.0 | | | | | | |
| | | | | | 100 | | 39.0 | 18.0 | | | | | | |

ISO Patch Cord Cat5e 2.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 59.7 | 22.5 | | | | | | |
| | | | | | 10 | | 57.8 | 22.8 | | | | | | |
| | | | | | 16 | | 53.8 | 23.4 | | | | | | |
| | | | | | 20 | | 52.0 | 23.7 | | | | | | |
| | | | | | 25 | | 50.1 | 24.0 | | | | | | |
| | | | | | 31.25 | | 48.2 | 23.0 | | | | | | |
| | | | | | 62.5 | | 42.5 | 20.0 | | | | | | |
| | | | | | 100 | | 38.6 | 18.0 | | | | | | |

ISO Patch Cord Cat5e 3.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 59.3 | 22.5 | | | | | | |
| | | | | | 10 | | 57.4 | 22.8 | | | | | | |
| | | | | | 16 | | 53.4 | 23.4 | | | | | | |
| | | | | | 20 | | 51.6 | 23.7 | | | | | | |
| | | | | | 25 | | 49.7 | 24.0 | | | | | | |
| | | | | | 31.25 | | 47.8 | 23.0 | | | | | | |
| | | | | | 62.5 | | 42.1 | 20.0 | | | | | | |
| | | | | | 100 | | 38.3 | 18.0 | | | | | | |

ISO Patch Cord Cat5e 3.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 64.6 | 21.6 | | | | | | |
| | | | | | 8 | | 58.9 | 22.5 | | | | | | |
| | | | | | 10 | | 57.0 | 22.8 | | | | | | |
| | | | | | 16 | | 53.1 | 23.4 | | | | | | |
| | | | | | 20 | | 51.2 | 23.7 | | | | | | |
| | | | | | 25 | | 49.4 | 24.0 | | | | | | |
| | | | | | 31.25 | | 47.5 | 23.0 | | | | | | |
| | | | | | 62.5 | | 41.8 | 20.0 | | | | | | |
| | | | | | 100 | | 38.0 | 18.0 | | | | | | |

ISO Patch Cord Cat5e 4.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 64.3 | 21.6 | | | | | | |
| | | | | | 8 | | 58.5 | 22.5 | | | | | | |
| | | | | | 10 | | 56.7 | 22.8 | | | | | | |
| | | | | | 16 | | 52.8 | 23.4 | | | | | | |
| | | | | | 20 | | 50.9 | 23.7 | | | | | | |
| | | | | | 25 | | 49.1 | 24.0 | | | | | | |
| | | | | | 31.25 | | 47.2 | 23.0 | | | | | | |
| | | | | | 62.5 | | 41.6 | 20.0 | | | | | | |
| | | | | | 100 | | 37.8 | 18.0 | | | | | | |

ISO Patch Cord Cat5e 5.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 63.7 | 21.6 | | | | | | |
| | | | | | 8 | | 58.0 | 22.5 | | | | | | |
| | | | | | 10 | | 56.1 | 22.8 | | | | | | |
| | | | | | 16 | | 52.2 | 23.4 | | | | | | |
| | | | | | 20 | | 50.4 | 23.7 | | | | | | |
| | | | | | 25 | | 48.5 | 24.0 | | | | | | |
| | | | | | 31.25 | | 46.7 | 23.0 | | | | | | |
| | | | | | 62.5 | | 41.1 | 20.0 | | | | | | |
| | | | | | 100 | | 37.4 | 18.0 | | | | | | |

ISO Patch Cord Cat5e 7.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 62.4 | 21.6 | | | | | | |
| | | | | | 8 | | 56.8 | 22.5 | | | | | | |
| | | | | | 10 | | 55.0 | 22.8 | | | | | | |
| | | | | | 16 | | 51.2 | 23.4 | | | | | | |
| | | | | | 20 | | 49.4 | 23.7 | | | | | | |
| | | | | | 25 | | 47.6 | 24.0 | | | | | | |
| | | | | | 31.25 | | 45.8 | 23.0 | | | | | | |
| | | | | | 62.5 | | 40.3 | 20.0 | | | | | | |
| | | | | | 100 | | 36.8 | 18.0 | | | | | | |

ISO Patch Cord Cat5e 10.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 61.6 | 21.6 | | | | | | |
| | | | | | 8 | | 56.0 | 22.5 | | | | | | |
| | | | | | 10 | | 54.2 | 22.8 | | | | | | |
| | | | | | 16 | | 50.4 | 23.4 | | | | | | |
| | | | | | 20 | | 48.7 | 23.7 | | | | | | |
| | | | | | 25 | | 46.9 | 24.0 | | | | | | |
| | | | | | 31.25 | | 45.1 | 23.0 | | | | | | |
| | | | | | 62.5 | | 39.8 | 20.0 | | | | | | |
| | | | | | 100 | | 36.4 | 18.0 | | | | | | |

ISO Patch Cord Cat5e 20.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 59.5 | 21.6 | | | | | | |
| | | | | | 8 | | 54.1 | 22.5 | | | | | | |
| | | | | | 10 | | 52.4 | 22.8 | | | | | | |
| | | | | | 16 | | 48.8 | 23.4 | | | | | | |
| | | | | | 20 | | 47.2 | 23.7 | | | | | | |
| | | | | | 25 | | 45.5 | 24.0 | | | | | | |
| | | | | | 31.25 | | 43.9 | 23.0 | | | | | | |
| | | | | | 62.5 | | 39.0 | 20.0 | | | | | | |
| | | | | | 100 | | 35.8 | 18.0 | | | | | | |

ISO Patch Cord Cat6 0.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | | |
| | | | | | 16 | | 62.9 | 23.4 | | | | | | |
| | | | | | 20 | | 61.0 | 23.7 | | | | | | |
| | | | | | 25 | | 59.1 | 24.0 | | | | | | |
| | | | | | 31.25 | | 57.2 | 23.0 | | | | | | |
| | | | | | 62.5 | | 51.2 | 20.0 | | | | | | |
| | | | | | 100 | | 47.2 | 18.0 | | | | | | |
| | | | | | 200 | | 41.3 | 15.0 | | | | | | |
| | | | | | 250 | | 39.4 | 14.0 | | | | | | |

ISO Patch Cord Cat6 1.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 62.4 | 23.4 | | | | | |
| | | | | | 20 | | 60.5 | 23.7 | | | | | |
| | | | | | 25 | | 58.6 | 24.0 | | | | | |
| | | | | | 31.25 | | 56.7 | 23.0 | | | | | |
| | | | | | 62.5 | | 50.8 | 20.0 | | | | | |
| | | | | | 100 | | 46.8 | 18.0 | | | | | |
| | | | | | 200 | | 41.0 | 15.0 | | | | | |
| | | | | | 250 | | 39.1 | 14.0 | | | | | |

ISO Patch Cord Cat6 1.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 62.0 | 23.4 | | | | | |
| | | | | | 20 | | 60.1 | 23.7 | | | | | |
| | | | | | 25 | | 58.2 | 24.0 | | | | | |
| | | | | | 31.25 | | 56.3 | 23.0 | | | | | |
| | | | | | 62.5 | | 50.4 | 20.0 | | | | | |
| | | | | | 100 | | 46.5 | 18.0 | | | | | |
| | | | | | 200 | | 40.7 | 15.0 | | | | | |
| | | | | | 250 | | 38.9 | 14.0 | | | | | |

ISO Patch Cord Cat6 2.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | | |
| | | | | | 16 | | 61.6 | 23.4 | | | | | | |
| | | | | | 20 | | 59.7 | 23.7 | | | | | | |
| | | | | | 25 | | 57.8 | 24.0 | | | | | | |
| | | | | | 31.25 | | 56.0 | 23.0 | | | | | | |
| | | | | | 62.5 | | 50.1 | 20.0 | | | | | | |
| | | | | | 100 | | 46.2 | 18.0 | | | | | | |
| | | | | | 200 | | 40.5 | 15.0 | | | | | | |
| | | | | | 250 | | 38.6 | 14.0 | | | | | | |

ISO Patch Cord Cat6 2.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 61.3 | 23.4 | | | | | |
| | | | | | 20 | | 59.4 | 23.7 | | | | | |
| | | | | | 25 | | 57.5 | 24.0 | | | | | |
| | | | | | 31.25 | | 55.6 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.8 | 20.0 | | | | | |
| | | | | | 100 | | 45.9 | 18.0 | | | | | |
| | | | | | 200 | | 40.3 | 15.0 | | | | | |
| | | | | | 250 | | 38.5 | 14.0 | | | | | |

ISO Patch Cord Cat6 3.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 61.0 | 23.4 | | | | | |
| | | | | | 20 | | 59.1 | 23.7 | | | | | |
| | | | | | 25 | | 57.2 | 24.0 | | | | | |
| | | | | | 31.25 | | 55.4 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.6 | 20.0 | | | | | |
| | | | | | 100 | | 45.7 | 18.0 | | | | | |
| | | | | | 200 | | 40.1 | 15.0 | | | | | |
| | | | | | 250 | | 38.3 | 14.0 | | | | | |

ISO Patch Cord Cat6 3.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | | |
| | | | | | 10 | | 64.7 | 22.8 | | | | | | |
| | | | | | 16 | | 60.7 | 23.4 | | | | | | |
| | | | | | 20 | | 58.9 | 23.7 | | | | | | |
| | | | | | 25 | | 57.0 | 24.0 | | | | | | |
| | | | | | 31.25 | | 55.1 | 23.0 | | | | | | |
| | | | | | 62.5 | | 49.3 | 20.0 | | | | | | |
| | | | | | 100 | | 45.5 | 18.0 | | | | | | |
| | | | | | 200 | | 39.9 | 15.0 | | | | | | |
| | | | | | 250 | | 38.2 | 14.0 | | | | | | |

ISO Patch Cord Cat6 4.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 64.4 | 22.8 | | | | | |
| | | | | | 16 | | 60.5 | 23.4 | | | | | |
| | | | | | 20 | | 58.6 | 23.7 | | | | | |
| | | | | | 25 | | 56.7 | 24.0 | | | | | |
| | | | | | 31.25 | | 54.9 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.1 | 20.0 | | | | | |
| | | | | | 100 | | 45.3 | 18.0 | | | | | |
| | | | | | 200 | | 39.8 | 15.0 | | | | | |
| | | | | | 250 | | 38.1 | 14.0 | | | | | |

ISO Patch Cord Cat6 5.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 63.9 | 22.8 | | | | | |
| | | | | | 16 | | 60.0 | 23.4 | | | | | |
| | | | | | 20 | | 58.2 | 23.7 | | | | | |
| | | | | | 25 | | 56.3 | 24.0 | | | | | |
| | | | | | 31.25 | | 54.5 | 23.0 | | | | | |
| | | | | | 62.5 | | 48.8 | 20.0 | | | | | |
| | | | | | 100 | | 45.0 | 18.0 | | | | | |
| | | | | | 200 | | 39.6 | 15.0 | | | | | |
| | | | | | 250 | | 37.9 | 14.0 | | | | | |

ISO Patch Cord Cat6 7.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 64.8 | 22.5 | | | | | | |
| | | | | | 10 | | 63.0 | 22.8 | | | | | | |
| | | | | | 16 | | 59.2 | 23.4 | | | | | | |
| | | | | | 20 | | 57.3 | 23.7 | | | | | | |
| | | | | | 25 | | 55.5 | 24.0 | | | | | | |
| | | | | | 31.25 | | 53.7 | 23.0 | | | | | | |
| | | | | | 62.5 | | 48.2 | 20.0 | | | | | | |
| | | | | | 100 | | 44.5 | 18.0 | | | | | | |
| | | | | | 200 | | 39.3 | 15.0 | | | | | | |
| | | | | | 250 | | 37.7 | 14.0 | | | | | | |

ISO Patch Cord Cat6 10.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 64.1 | 22.5 | | | | | | |
| | | | | | 10 | | 62.3 | 22.8 | | | | | | |
| | | | | | 16 | | 58.5 | 23.4 | | | | | | |
| | | | | | 20 | | 56.7 | 23.7 | | | | | | |
| | | | | | 25 | | 54.9 | 24.0 | | | | | | |
| | | | | | 31.25 | | 53.1 | 23.0 | | | | | | |
| | | | | | 62.5 | | 47.7 | 20.0 | | | | | | |
| | | | | | 100 | | 44.2 | 18.0 | | | | | | |
| | | | | | 200 | | 39.1 | 15.0 | | | | | | |
| | | | | | 250 | | 37.6 | 14.0 | | | | | | |

ISO Patch Cord Cat6 20.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 62.4 | 22.5 | | | | | | |
| | | | | | 10 | | 60.7 | 22.8 | | | | | | |
| | | | | | 16 | | 57.1 | 23.4 | | | | | | |
| | | | | | 20 | | 55.4 | 23.7 | | | | | | |
| | | | | | 25 | | 53.7 | 24.0 | | | | | | |
| | | | | | 31.25 | | 52.0 | 23.0 | | | | | | |
| | | | | | 62.5 | | 47.0 | 20.0 | | | | | | |
| | | | | | 100 | | 43.7 | 18.0 | | | | | | |
| | | | | | 200 | | 39.1 | 15.0 | | | | | | |
| | | | | | 250 | | 37.6 | 14.0 | | | | | | |

TIA Patch Cord Cat5e 0.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 62.3 | 22.5 | | | | | | |
| | | | | | 10 | | 60.3 | 22.8 | | | | | | |
| | | | | | 16 | | 56.3 | 23.4 | | | | | | |
| | | | | | 20 | | 54.4 | 23.7 | | | | | | |
| | | | | | 25 | | 52.5 | 24.0 | | | | | | |
| | | | | | 31.25 | | 50.6 | 23.0 | | | | | | |
| | | | | | 62.5 | | 44.7 | 20.0 | | | | | | |
| | | | | | 100 | | 40.7 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 1.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 61.6 | 22.5 | | | | | | |
| | | | | | 10 | | 59.7 | 22.8 | | | | | | |
| | | | | | 16 | | 55.7 | 23.4 | | | | | | |
| | | | | | 20 | | 53.8 | 23.7 | | | | | | |
| | | | | | 25 | | 51.9 | 24.0 | | | | | | |
| | | | | | 31.25 | | 50.0 | 23.0 | | | | | | |
| | | | | | 62.5 | | 44.1 | 20.0 | | | | | | |
| | | | | | 100 | | 40.1 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 1.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 61.1 | 22.5 | | | | | | |
| | | | | | 10 | | 59.2 | 22.8 | | | | | | |
| | | | | | 16 | | 55.1 | 23.4 | | | | | | |
| | | | | | 20 | | 53.2 | 23.7 | | | | | | |
| | | | | | 25 | | 51.3 | 24.0 | | | | | | |
| | | | | | 31.25 | | 49.4 | 23.0 | | | | | | |
| | | | | | 62.5 | | 43.6 | 20.0 | | | | | | |
| | | | | | 100 | | 39.7 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 2.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 60.6 | 22.5 | | | | | | |
| | | | | | 10 | | 58.7 | 22.8 | | | | | | |
| | | | | | 16 | | 54.7 | 23.4 | | | | | | |
| | | | | | 20 | | 52.8 | 23.7 | | | | | | |
| | | | | | 25 | | 50.9 | 24.0 | | | | | | |
| | | | | | 31.25 | | 49.0 | 23.0 | | | | | | |
| | | | | | 62.5 | | 43.2 | 20.0 | | | | | | |
| | | | | | 100 | | 39.3 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 2.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 60.2 | 22.5 | | | | | | |
| | | | | | 10 | | 58.3 | 22.8 | | | | | | |
| | | | | | 16 | | 54.3 | 23.4 | | | | | | |
| | | | | | 20 | | 52.4 | 23.7 | | | | | | |
| | | | | | 25 | | 50.5 | 24.0 | | | | | | |
| | | | | | 31.25 | | 48.6 | 23.0 | | | | | | |
| | | | | | 62.5 | | 42.8 | 20.0 | | | | | | |
| | | | | | 100 | | 38.9 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 3.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 59.8 | 22.5 | | | | | | |
| | | | | | 10 | | 57.9 | 22.8 | | | | | | |
| | | | | | 16 | | 53.9 | 23.4 | | | | | | |
| | | | | | 20 | | 52.0 | 23.7 | | | | | | |
| | | | | | 25 | | 50.1 | 24.0 | | | | | | |
| | | | | | 31.25 | | 48.2 | 23.0 | | | | | | |
| | | | | | 62.5 | | 42.5 | 20.0 | | | | | | |
| | | | | | 100 | | 38.6 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 3.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 59.4 | 22.5 | | | | | | |
| | | | | | 10 | | 57.5 | 22.8 | | | | | | |
| | | | | | 16 | | 53.6 | 23.4 | | | | | | |
| | | | | | 20 | | 51.7 | 23.7 | | | | | | |
| | | | | | 25 | | 49.8 | 24.0 | | | | | | |
| | | | | | 31.25 | | 47.9 | 23.0 | | | | | | |
| | | | | | 62.5 | | 42.2 | 20.0 | | | | | | |
| | | | | | 100 | | 38.4 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 4.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 59.1 | 22.5 | | | | | | |
| | | | | | 10 | | 57.2 | 22.8 | | | | | | |
| | | | | | 16 | | 53.3 | 23.4 | | | | | | |
| | | | | | 20 | | 51.4 | 23.7 | | | | | | |
| | | | | | 25 | | 49.5 | 24.0 | | | | | | |
| | | | | | 31.25 | | 47.7 | 23.0 | | | | | | |
| | | | | | 62.5 | | 41.9 | 20.0 | | | | | | |
| | | | | | 100 | | 38.1 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 5.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 64.4 | 21.6 | | | | | | |
| | | | | | 8 | | 58.6 | 22.5 | | | | | | |
| | | | | | 10 | | 56.7 | 22.8 | | | | | | |
| | | | | | 16 | | 52.7 | 23.4 | | | | | | |
| | | | | | 20 | | 50.9 | 23.7 | | | | | | |
| | | | | | 25 | | 49.0 | 24.0 | | | | | | |
| | | | | | 31.25 | | 47.2 | 23.0 | | | | | | |
| | | | | | 62.5 | | 41.5 | 20.0 | | | | | | |
| | | | | | 100 | | 37.8 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 7.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 63.3 | 21.6 | | | | | | |
| | | | | | 8 | | 57.5 | 22.5 | | | | | | |
| | | | | | 10 | | 55.6 | 22.8 | | | | | | |
| | | | | | 16 | | 51.7 | 23.4 | | | | | | |
| | | | | | 20 | | 49.9 | 23.7 | | | | | | |
| | | | | | 25 | | 48.0 | 24.0 | | | | | | |
| | | | | | 31.25 | | 46.2 | 23.0 | | | | | | |
| | | | | | 62.5 | | 40.7 | 20.0 | | | | | | |
| | | | | | 100 | | 37.1 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 10.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 62.4 | 21.6 | | | | | | |
| | | | | | 8 | | 56.7 | 22.5 | | | | | | |
| | | | | | 10 | | 54.8 | 22.8 | | | | | | |
| | | | | | 16 | | 51.0 | 23.4 | | | | | | |
| | | | | | 20 | | 49.1 | 23.7 | | | | | | |
| | | | | | 25 | | 47.4 | 24.0 | | | | | | |
| | | | | | 31.25 | | 45.6 | 23.0 | | | | | | |
| | | | | | 62.5 | | 40.2 | 20.0 | | | | | | |
| | | | | | 100 | | 36.6 | 18.0 | | | | | | |

TIA Patch Cord Cat5e 20.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 60.3 | 21.6 | | | | | | |
| | | | | | 8 | | 54.7 | 22.5 | | | | | | |
| | | | | | 10 | | 53.0 | 22.8 | | | | | | |
| | | | | | 16 | | 49.3 | 23.4 | | | | | | |
| | | | | | 20 | | 47.6 | 23.7 | | | | | | |
| | | | | | 25 | | 45.9 | 24.0 | | | | | | |
| | | | | | 31.25 | | 44.2 | 23.0 | | | | | | |
| | | | | | 62.5 | | 39.2 | 20.0 | | | | | | |
| | | | | | 100 | | 35.9 | 18.0 | | | | | | |

TIA Patch Cord Cat6 0.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | | |
| | | | | | 16 | | 63.0 | 23.4 | | | | | | |
| | | | | | 20 | | 61.1 | 23.7 | | | | | | |
| | | | | | 25 | | 59.2 | 24.0 | | | | | | |
| | | | | | 31.25 | | 57.3 | 23.0 | | | | | | |
| | | | | | 62.5 | | 51.3 | 20.0 | | | | | | |
| | | | | | 100 | | 47.3 | 18.0 | | | | | | |
| | | | | | 200 | | 41.4 | 15.0 | | | | | | |
| | | | | | 250 | | 39.5 | 14.0 | | | | | | |

TIA Patch Cord Cat6 1.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 62.6 | 23.4 | | | | | |
| | | | | | 20 | | 60.7 | 23.7 | | | | | |
| | | | | | 25 | | 58.8 | 24.0 | | | | | |
| | | | | | 31.25 | | 56.9 | 23.0 | | | | | |
| | | | | | 62.5 | | 51.0 | 20.0 | | | | | |
| | | | | | 100 | | 47.0 | 18.0 | | | | | |
| | | | | | 200 | | 41.1 | 15.0 | | | | | |
| | | | | | 250 | | 39.2 | 14.0 | | | | | |

TIA Patch Cord Cat6 1.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 62.3 | 23.4 | | | | | |
| | | | | | 20 | | 60.4 | 23.7 | | | | | |
| | | | | | 25 | | 58.5 | 24.0 | | | | | |
| | | | | | 31.25 | | 56.5 | 23.0 | | | | | |
| | | | | | 62.5 | | 50.6 | 20.0 | | | | | |
| | | | | | 100 | | 46.7 | 18.0 | | | | | |
| | | | | | 200 | | 40.9 | 15.0 | | | | | |
| | | | | | 250 | | 39.0 | 14.0 | | | | | |

TIA Patch Cord Cat6 2.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | | |
| | | | | | 16 | | 62.0 | 23.4 | | | | | | |
| | | | | | 20 | | 60.0 | 23.7 | | | | | | |
| | | | | | 25 | | 58.1 | 24.0 | | | | | | |
| | | | | | 31.25 | | 56.2 | 23.0 | | | | | | |
| | | | | | 62.5 | | 50.4 | 20.0 | | | | | | |
| | | | | | 100 | | 46.4 | 18.0 | | | | | | |
| | | | | | 200 | | 40.6 | 15.0 | | | | | | |
| | | | | | 250 | | 38.8 | 14.0 | | | | | | |

TIA Patch Cord Cat6 2.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 61.7 | 23.4 | | | | | |
| | | | | | 20 | | 59.8 | 23.7 | | | | | |
| | | | | | 25 | | 57.9 | 24.0 | | | | | |
| | | | | | 31.25 | | 56.0 | 23.0 | | | | | |
| | | | | | 62.5 | | 50.1 | 20.0 | | | | | |
| | | | | | 100 | | 46.2 | 18.0 | | | | | |
| | | | | | 200 | | 40.5 | 15.0 | | | | | |
| | | | | | 250 | | 38.6 | 14.0 | | | | | |

TIA Patch Cord Cat6 3.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 61.4 | 23.4 | | | | | |
| | | | | | 20 | | 59.5 | 23.7 | | | | | |
| | | | | | 25 | | 57.6 | 24.0 | | | | | |
| | | | | | 31.25 | | 55.7 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.9 | 20.0 | | | | | |
| | | | | | 100 | | 46.0 | 18.0 | | | | | |
| | | | | | 200 | | 40.3 | 15.0 | | | | | |
| | | | | | 250 | | 38.5 | 14.0 | | | | | |

TIA Patch Cord Cat6 3.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | | |
| | | | | | 16 | | 61.1 | 23.4 | | | | | | |
| | | | | | 20 | | 59.3 | 23.7 | | | | | | |
| | | | | | 25 | | 57.4 | 24.0 | | | | | | |
| | | | | | 31.25 | | 55.5 | 23.0 | | | | | | |
| | | | | | 62.5 | | 49.7 | 20.0 | | | | | | |
| | | | | | 100 | | 45.8 | 18.0 | | | | | | |
| | | | | | 200 | | 40.2 | 15.0 | | | | | | |
| | | | | | 250 | | 38.4 | 14.0 | | | | | | |

TIA Patch Cord Cat6 5.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 64.5 | 22.8 | | | | | |
| | | | | | 16 | | 60.5 | 23.4 | | | | | |
| | | | | | 20 | | 58.6 | 23.7 | | | | | |
| | | | | | 25 | | 56.8 | 24.0 | | | | | |
| | | | | | 31.25 | | 54.9 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.2 | 20.0 | | | | | |
| | | | | | 100 | | 45.3 | 18.0 | | | | | |
| | | | | | 200 | | 39.8 | 15.0 | | | | | |
| | | | | | 250 | | 38.1 | 14.0 | | | | | |

TIA Patch Cord Cat6 7.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 63.6 | 22.8 | | | | | |
| | | | | | 16 | | 59.7 | 23.4 | | | | | |
| | | | | | 20 | | 57.8 | 23.7 | | | | | |
| | | | | | 25 | | 56.0 | 24.0 | | | | | |
| | | | | | 31.25 | | 54.1 | 23.0 | | | | | |
| | | | | | 62.5 | | 48.5 | 20.0 | | | | | |
| | | | | | 100 | | 44.8 | 18.0 | | | | | |
| | | | | | 200 | | 39.5 | 15.0 | | | | | |
| | | | | | 250 | | 37.8 | 14.0 | | | | | |

TIA Patch Cord Cat6 10.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | | |
| | | | | | 8 | | 64.8 | 22.5 | | | | | | |
| | | | | | 10 | | 62.9 | 22.8 | | | | | | |
| | | | | | 16 | | 59.0 | 23.4 | | | | | | |
| | | | | | 20 | | 57.2 | 23.7 | | | | | | |
| | | | | | 25 | | 55.4 | 24.0 | | | | | | |
| | | | | | 31.25 | | 53.6 | 23.0 | | | | | | |
| | | | | | 62.5 | | 48.1 | 20.0 | | | | | | |
| | | | | | 100 | | 44.4 | 18.0 | | | | | | |
| | | | | | 200 | | 39.3 | 15.0 | | | | | | |
| | | | | | 250 | | 37.6 | 14.0 | | | | | | |

TIA Patch Cord Cat6 20.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | 19.8 | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 63.1 | 22.5 | | | | | |
| | | | | | 10 | | 61.3 | 22.8 | | | | | |
| | | | | | 16 | | 57.5 | 23.4 | | | | | |
| | | | | | 20 | | 55.8 | 23.7 | | | | | |
| | | | | | 25 | | 54.1 | 24.0 | | | | | |
| | | | | | 31.25 | | 52.3 | 23.0 | | | | | |
| | | | | | 62.5 | | 47.2 | 20.0 | | | | | |
| | | | | | 100 | | 43.8 | 18.0 | | | | | |
| | | | | | 200 | | 39.0 | 15.0 | | | | | |
| | | | | | 250 | | 37.6 | 14.0 | | | | | |

CLC Patch Cord Cat5e 0.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 62.1 | 22.5 | | | | | |
| | | | | | 10 | | 60.2 | 22.8 | | | | | |
| | | | | | 16 | | 56.2 | 23.4 | | | | | |
| | | | | | 20 | | 54.2 | 23.7 | | | | | |
| | | | | | 25 | | 52.3 | 24.0 | | | | | |
| | | | | | 31.25 | | 50.4 | 23.0 | | | | | |
| | | | | | 62.5 | | 44.5 | 20.0 | | | | | |
| | | | | | 100 | | 40.6 | 18.0 | | | | | |

CLC Patch Cord Cat5e 1.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 61.3 | 22.5 | | | | | |
| | | | | | 10 | | 59.4 | 22.8 | | | | | |
| | | | | | 16 | | 55.4 | 23.4 | | | | | |
| | | | | | 20 | | 53.5 | 23.7 | | | | | |
| | | | | | 25 | | 51.6 | 24.0 | | | | | |
| | | | | | 31.25 | | 49.7 | 23.0 | | | | | |
| | | | | | 62.5 | | 43.9 | 20.0 | | | | | |
| | | | | | 100 | | 39.9 | 18.0 | | | | | |

CLC Patch Cord Cat5e 1.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 60.7 | 22.5 | | | | | |
| | | | | | 10 | | 58.8 | 22.8 | | | | | |
| | | | | | 16 | | 54.8 | 23.4 | | | | | |
| | | | | | 20 | | 52.9 | 23.7 | | | | | |
| | | | | | 25 | | 51.0 | 24.0 | | | | | |
| | | | | | 31.25 | | 49.1 | 23.0 | | | | | |
| | | | | | 62.5 | | 43.3 | 20.0 | | | | | |
| | | | | | 100 | | 39.4 | 18.0 | | | | | |

CLC Patch Cord Cat5e 2.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 60.2 | 22.5 | | | | | |
| | | | | | 10 | | 58.3 | 22.8 | | | | | |
| | | | | | 16 | | 54.3 | 23.4 | | | | | |
| | | | | | 20 | | 52.4 | 23.7 | | | | | |
| | | | | | 25 | | 50.5 | 24.0 | | | | | |
| | | | | | 31.25 | | 48.6 | 23.0 | | | | | |
| | | | | | 62.5 | | 42.9 | 20.0 | | | | | |
| | | | | | 100 | | 39.0 | 18.0 | | | | | |

CLC Patch Cord Cat5e 2.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 59.7 | 22.5 | | | | | |
| | | | | | 10 | | 57.8 | 22.8 | | | | | |
| | | | | | 16 | | 53.8 | 23.4 | | | | | |
| | | | | | 20 | | 52.0 | 23.7 | | | | | |
| | | | | | 25 | | 50.1 | 24.0 | | | | | |
| | | | | | 31.25 | | 48.2 | 23.0 | | | | | |
| | | | | | 62.5 | | 42.5 | 20.0 | | | | | |
| | | | | | 100 | | 38.6 | 18.0 | | | | | |

CLC Patch Cord Cat5e 3.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 59.3 | 22.5 | | | | | |
| | | | | | 10 | | 57.4 | 22.8 | | | | | |
| | | | | | 16 | | 53.4 | 23.4 | | | | | |
| | | | | | 20 | | 51.6 | 23.7 | | | | | |
| | | | | | 25 | | 49.7 | 24.0 | | | | | |
| | | | | | 31.25 | | 47.8 | 23.0 | | | | | |
| | | | | | 62.5 | | 42.1 | 20.0 | | | | | |
| | | | | | 100 | | 38.3 | 18.0 | | | | | |

CLC Patch Cord Cat5e 3.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 64.6 | 21.6 | | | | | |
| | | | | | 8 | | 58.9 | 22.5 | | | | | |
| | | | | | 10 | | 57.0 | 22.8 | | | | | |
| | | | | | 16 | | 53.1 | 23.4 | | | | | |
| | | | | | 20 | | 51.2 | 23.7 | | | | | |
| | | | | | 25 | | 49.4 | 24.0 | | | | | |
| | | | | | 31.25 | | 47.5 | 23.0 | | | | | |
| | | | | | 62.5 | | 41.8 | 20.0 | | | | | |
| | | | | | 100 | | 38.0 | 18.0 | | | | | |

CLC Patch Cord Cat5e 4.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 64.3 | 21.6 | | | | | |
| | | | | | 8 | | 58.5 | 22.5 | | | | | |
| | | | | | 10 | | 56.7 | 22.8 | | | | | |
| | | | | | 16 | | 52.8 | 23.4 | | | | | |
| | | | | | 20 | | 50.9 | 23.7 | | | | | |
| | | | | | 25 | | 49.1 | 24.0 | | | | | |
| | | | | | 31.25 | | 47.2 | 23.0 | | | | | |
| | | | | | 62.5 | | 41.6 | 20.0 | | | | | |
| | | | | | 100 | | 37.8 | 18.0 | | | | | |

CLC Patch Cord Cat5e 5.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 63.7 | 21.6 | | | | | |
| | | | | | 8 | | 58.0 | 22.5 | | | | | |
| | | | | | 10 | | 56.1 | 22.8 | | | | | |
| | | | | | 16 | | 52.2 | 23.4 | | | | | |
| | | | | | 20 | | 50.4 | 23.7 | | | | | |
| | | | | | 25 | | 48.5 | 24.0 | | | | | |
| | | | | | 31.25 | | 46.7 | 23.0 | | | | | |
| | | | | | 62.5 | | 41.1 | 20.0 | | | | | |
| | | | | | 100 | | 37.4 | 18.0 | | | | | |

CLC Patch Cord Cat5e 7.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 62.4 | 21.6 | | | | | |
| | | | | | 8 | | 56.8 | 22.5 | | | | | |
| | | | | | 10 | | 55.0 | 22.8 | | | | | |
| | | | | | 16 | | 51.2 | 23.4 | | | | | |
| | | | | | 20 | | 49.4 | 23.7 | | | | | |
| | | | | | 25 | | 47.6 | 24.0 | | | | | |
| | | | | | 31.25 | | 45.8 | 23.0 | | | | | |
| | | | | | 62.5 | | 40.3 | 20.0 | | | | | |
| | | | | | 100 | | 36.8 | 18.0 | | | | | |

CLC Patch Cord Cat5e 10.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 61.6 | 21.6 | | | | | |
| | | | | | 8 | | 56.0 | 22.5 | | | | | |
| | | | | | 10 | | 54.2 | 22.8 | | | | | |
| | | | | | 16 | | 50.4 | 23.4 | | | | | |
| | | | | | 20 | | 48.7 | 23.7 | | | | | |
| | | | | | 25 | | 46.9 | 24.0 | | | | | |
| | | | | | 31.25 | | 45.1 | 23.0 | | | | | |
| | | | | | 62.5 | | 39.8 | 20.0 | | | | | |
| | | | | | 100 | | 36.4 | 18.0 | | | | | |

CLC Patch Cord Cat5e 20.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 59.5 | 21.6 | | | | | |
| | | | | | 8 | | 54.1 | 22.5 | | | | | |
| | | | | | 10 | | 52.4 | 22.8 | | | | | |
| | | | | | 16 | | 48.8 | 23.4 | | | | | |
| | | | | | 20 | | 47.2 | 23.7 | | | | | |
| | | | | | 25 | | 45.5 | 24.0 | | | | | |
| | | | | | 31.25 | | 43.9 | 23.0 | | | | | |
| | | | | | 62.5 | | 39.0 | 20.0 | | | | | |
| | | | | | 100 | | 35.8 | 18.0 | | | | | |

CLC Patch Cord Cat6 0.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 62.9 | 23.4 | | | | | |
| | | | | | 20 | | 61.0 | 23.7 | | | | | |
| | | | | | 25 | | 59.1 | 24.0 | | | | | |
| | | | | | 31.25 | | 57.2 | 23.0 | | | | | |
| | | | | | 62.5 | | 51.2 | 20.0 | | | | | |
| | | | | | 100 | | 47.2 | 18.0 | | | | | |
| | | | | | 200 | | 41.3 | 15.0 | | | | | |
| | | | | | 250 | | 39.4 | 14.0 | | | | | |

CLC Patch Cord Cat6 0.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 62.9 | 23.4 | | | | | |
| | | | | | 20 | | 61.0 | 23.7 | | | | | |
| | | | | | 25 | | 59.1 | 24.0 | | | | | |
| | | | | | 31.25 | | 57.2 | 23.0 | | | | | |
| | | | | | 62.5 | | 51.2 | 20.0 | | | | | |
| | | | | | 100 | | 47.2 | 18.0 | | | | | |
| | | | | | 200 | | 41.3 | 15.0 | | | | | |
| | | | | | 250 | | 39.4 | 14.0 | | | | | |

CLC Patch Cord Cat6 1.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 62.4 | 23.4 | | | | | |
| | | | | | 20 | | 60.5 | 23.7 | | | | | |
| | | | | | 25 | | 58.6 | 24.0 | | | | | |
| | | | | | 31.25 | | 56.7 | 23.0 | | | | | |
| | | | | | 62.5 | | 50.8 | 20.0 | | | | | |
| | | | | | 100 | | 46.8 | 18.0 | | | | | |
| | | | | | 200 | | 41.0 | 15.0 | | | | | |
| | | | | | 250 | | 39.1 | 14.0 | | | | | |

CLC Patch Cord Cat6 1.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 62.0 | 23.4 | | | | | |
| | | | | | 20 | | 60.1 | 23.7 | | | | | |
| | | | | | 25 | | 58.2 | 24.0 | | | | | |
| | | | | | 31.25 | | 56.3 | 23.0 | | | | | |
| | | | | | 62.5 | | 50.4 | 20.0 | | | | | |
| | | | | | 100 | | 46.5 | 18.0 | | | | | |
| | | | | | 200 | | 40.7 | 15.0 | | | | | |
| | | | | | 250 | | 38.9 | 14.0 | | | | | |

CLC Patch Cord Cat6 2.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 61.6 | 23.4 | | | | | |
| | | | | | 20 | | 59.7 | 23.7 | | | | | |
| | | | | | 25 | | 57.8 | 24.0 | | | | | |
| | | | | | 31.25 | | 56.0 | 23.0 | | | | | |
| | | | | | 62.5 | | 50.1 | 20.0 | | | | | |
| | | | | | 100 | | 46.2 | 18.0 | | | | | |
| | | | | | 200 | | 40.5 | 15.0 | | | | | |
| | | | | | 250 | | 38.6 | 14.0 | | | | | |

CLC Patch Cord Cat6 2.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 61.3 | 23.4 | | | | | |
| | | | | | 20 | | 59.4 | 23.7 | | | | | |
| | | | | | 25 | | 57.5 | 24.0 | | | | | |
| | | | | | 31.25 | | 55.6 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.8 | 20.0 | | | | | |
| | | | | | 100 | | 45.9 | 18.0 | | | | | |
| | | | | | 200 | | 40.3 | 15.0 | | | | | |
| | | | | | 250 | | 38.5 | 14.0 | | | | | |

CLC Patch Cord Cat6 3.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 65.0 | 22.8 | | | | | |
| | | | | | 16 | | 61.0 | 23.4 | | | | | |
| | | | | | 20 | | 59.1 | 23.7 | | | | | |
| | | | | | 25 | | 57.2 | 24.0 | | | | | |
| | | | | | 31.25 | | 55.4 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.6 | 20.0 | | | | | |
| | | | | | 100 | | 45.7 | 18.0 | | | | | |
| | | | | | 200 | | 40.1 | 15.0 | | | | | |
| | | | | | 250 | | 38.3 | 14.0 | | | | | |

CLC Patch Cord Cat6 3.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 64.7 | 22.8 | | | | | |
| | | | | | 16 | | 60.7 | 23.4 | | | | | |
| | | | | | 20 | | 58.9 | 23.7 | | | | | |
| | | | | | 25 | | 57.0 | 24.0 | | | | | |
| | | | | | 31.25 | | 55.1 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.3 | 20.0 | | | | | |
| | | | | | 100 | | 45.5 | 18.0 | | | | | |
| | | | | | 200 | | 39.9 | 15.0 | | | | | |
| | | | | | 250 | | 38.2 | 14.0 | | | | | |

CLC Patch Cord Cat6 3.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 64.7 | 22.8 | | | | | |
| | | | | | 16 | | 60.7 | 23.4 | | | | | |
| | | | | | 20 | | 58.9 | 23.7 | | | | | |
| | | | | | 25 | | 57.0 | 24.0 | | | | | |
| | | | | | 31.25 | | 55.1 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.3 | 20.0 | | | | | |
| | | | | | 100 | | 45.5 | 18.0 | | | | | |
| | | | | | 200 | | 39.9 | 15.0 | | | | | |
| | | | | | 250 | | 38.2 | 14.0 | | | | | |

CLC Patch Cord Cat6 4.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 64.4 | 22.8 | | | | | |
| | | | | | 16 | | 60.5 | 23.4 | | | | | |
| | | | | | 20 | | 58.6 | 23.7 | | | | | |
| | | | | | 25 | | 56.7 | 24.0 | | | | | |
| | | | | | 31.25 | | 54.9 | 23.0 | | | | | |
| | | | | | 62.5 | | 49.1 | 20.0 | | | | | |
| | | | | | 100 | | 45.3 | 18.0 | | | | | |
| | | | | | 200 | | 39.8 | 15.0 | | | | | |
| | | | | | 250 | | 38.1 | 14.0 | | | | | |

CLC Patch Cord Cat6 5.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 65.0 | 22.5 | | | | | |
| | | | | | 10 | | 63.9 | 22.8 | | | | | |
| | | | | | 16 | | 60.0 | 23.4 | | | | | |
| | | | | | 20 | | 58.2 | 23.7 | | | | | |
| | | | | | 25 | | 56.3 | 24.0 | | | | | |
| | | | | | 31.25 | | 54.5 | 23.0 | | | | | |
| | | | | | 62.5 | | 48.8 | 20.0 | | | | | |
| | | | | | 100 | | 45.0 | 18.0 | | | | | |
| | | | | | 200 | | 39.6 | 15.0 | | | | | |
| | | | | | 250 | | 37.9 | 14.0 | | | | | |

CLC Patch Cord Cat6 7.5m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 64.8 | 22.5 | | | | | |
| | | | | | 10 | | 63.0 | 22.8 | | | | | |
| | | | | | 16 | | 59.2 | 23.4 | | | | | |
| | | | | | 20 | | 57.3 | 23.7 | | | | | |
| | | | | | 25 | | 55.5 | 24.0 | | | | | |
| | | | | | 31.25 | | 53.7 | 23.0 | | | | | |
| | | | | | 62.5 | | 48.2 | 20.0 | | | | | |
| | | | | | 100 | | 44.5 | 18.0 | | | | | |
| | | | | | 200 | | 39.3 | 15.0 | | | | | |
| | | | | | 250 | | 37.7 | 14.0 | | | | | |

CLC Patch Cord Cat6 10.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 64.1 | 22.5 | | | | | |
| | | | | | 10 | | 62.3 | 22.8 | | | | | |
| | | | | | 16 | | 58.5 | 23.4 | | | | | |
| | | | | | 20 | | 56.7 | 23.7 | | | | | |
| | | | | | 25 | | 54.9 | 24.0 | | | | | |
| | | | | | 31.25 | | 53.1 | 23.0 | | | | | |
| | | | | | 62.5 | | 47.7 | 20.0 | | | | | |
| | | | | | 100 | | 44.2 | 18.0 | | | | | |
| | | | | | 200 | | 39.1 | 15.0 | | | | | |
| | | | | | 250 | | 37.6 | 14.0 | | | | | |

CLC Patch Cord Cat6 20.0m

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | i | i | i | 1 | | 65.0 | | | | | | |
| 12345678 | | | | | 4 | | 65.0 | 21.6 | | | | | |
| | | | | | 8 | | 62.4 | 22.5 | | | | | |
| | | | | | 10 | | 60.7 | 22.8 | | | | | |
| | | | | | 16 | | 57.1 | 23.4 | | | | | |
| | | | | | 20 | | 55.4 | 23.7 | | | | | |
| | | | | | 25 | | 53.7 | 24.0 | | | | | |
| | | | | | 31.25 | | 52.0 | 23.0 | | | | | |
| | | | | | 62.5 | | 47.0 | 20.0 | | | | | |
| | | | | | 100 | | 43.7 | 18.0 | | | | | |
| | | | | | 200 | | 39.1 | 15.0 | | | | | |
| | | | | | 250 | | 37.6 | 14.0 | | | | | |

Application Standards

10BASE-T

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|--------------------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 123 6 123 6 | i | 100 m | i | i | | | | | | | | | |
| 123 6 S 123 6 S | | | | | 8 | 11.5 | 27.5 | | | | | | |
| | | | | | 10 | 11.5 | 26.0 | | | | | | |

100BASE-TX

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | 100 m | 570 | 50 | 1 | 2.5 | 60.7 | 15.0 | | | | | |
| | | | | | 4 | 4.5 | 50.6 | 15.0 | | | | | |
| | | | | | 8 | 6.4 | 45.5 | 15.0 | | | | | |
| 12345678S 12345678S | | | | | 10 | 7.1 | 43.9 | 15.0 | | | | | |
| | | | | | 16 | 9.1 | 40.5 | 15.0 | | | | | |
| | | | | | 20 | 10.3 | 38.8 | 15.0 | | | | | |
| | | | | | 25 | 11.5 | 37.2 | 14.0 | | | | | |
| | | | | | 31.25 | 13 | 35.6 | 13.1 | | | | | |
| | | | | | 62.5 | 18.7 | 30.5 | 10.1 | | | | | |
| | | | | | 100 | 24 | 27.1 | 8.0 | | | | | |

1000BASE-T

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 12345678 | i | 100 m | 570 | 50 | 1 | 2.5 | 60.7 | 15.0 | | 57.0 | | | 54.4 |
| | | | | | 4 | 4.5 | 50.6 | 15.0 | | 45.0 | | | 42.4 |
| | | | | | 8 | 6.4 | 45.5 | 15.0 | | 38.9 | | | 36.3 |
| 12345678S 12345678S | | | | | 10 | 7.1 | 43.9 | 15.0 | | 37.0 | | | 34.4 |
| | | | | | 16 | 9.1 | 40.5 | 15.0 | | 32.9 | | | 30.3 |
| | | | | | 20 | 10.3 | 38.8 | 15.0 | | 31.0 | | | 28.4 |
| | | | | | 25 | 11.5 | 37.2 | 14.0 | | 29.0 | | | 26.4 |
| | | | | | 31.25 | 13 | 35.6 | 13.1 | | 27.1 | | | 24.5 |
| | | | | | 62.5 | 18.7 | 30.5 | 10.1 | | 21.1 | | | 18.5 |
| | | | | | 100 | 24 | 27.1 | 8.0 | | 17.0 | | | 14.4 |

10GBASE-T Ch CI E 55-100m

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 100 m | 555 | 50 | 1 | 4 | 65.0 | 19.0 | | 63.3 | 62.0 | | 60.3 |
| 12345678 | | | | | 4 | 4.2 | 63.0 | 19.0 | | 51.2 | 60.5 | | 48.2 |
| | | | | | 8 | 5.9 | 58.2 | 19.0 | | 45.2 | 55.6 | | 42.2 |
| 12345678S | | | | | 10 | 6.6 | 56.6 | 19.0 | | 43.3 | 54.0 | | 40.3 |
| 12345678S | | | | | 16 | 8.3 | 53.2 | 18.0 | | 39.2 | 50.6 | | 36.2 |
| | | | | | 20 | 9.3 | 51.6 | 17.5 | | 37.2 | 49.0 | | 34.2 |
| | | | | | 25 | 10.5 | 50.0 | 17.0 | | 35.3 | 47.3 | | 32.3 |
| | | | | | 31.25 | 11.7 | 48.4 | 16.5 | | 33.4 | 45.7 | | 30.4 |
| | | | | | 62.5 | 16.9 | 43.4 | 14.0 | | 27.3 | 40.6 | | 24.3 |
| | | | | | 100 | 21.7 | 39.9 | 12.0 | | 23.3 | 37.1 | | 20.3 |
| | | | | | 200 | 31.7 | 34.8 | 9.0 | | 17.2 | 31.9 | | 14.2 |
| | | | | | 250 | 35.9 | 33.1 | 8.0 | | 15.3 | 30.2 | | 12.3 |
| | | | | | 350 | 43.5 | 29.7 | 6.6 | | 12.4 | 26.9 | | 9.4 |
| | | | | | 500 | 53.4 | 22.0 | 6.0 | | 9.3 | 20.4 | | 6.3 |

10GBASE-T Ch CI E 0-55m

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | i | 555 | 50 | 1 | 4 | 65.0 | 19.0 | | 63.3 | 62.0 | | 60.3 |
| 12345678 | | | | | 4 | 4 | 63.0 | 19.0 | | 51.2 | 60.5 | | 48.2 |
| | | | | | 8 | 4 | 58.2 | 19.0 | | 45.2 | 55.6 | | 42.2 |
| 12345678S | | | | | 10 | 4 | 56.6 | 19.0 | | 43.3 | 54.0 | | 40.3 |
| 12345678S | | | | | 16 | 4.7 | 53.2 | 18.0 | | 39.2 | 50.6 | | 36.2 |
| | | | | | 20 | 5.3 | 51.6 | 17.5 | | 37.2 | 49.0 | | 34.2 |
| | | | | | 25 | 5.9 | 50.0 | 17.0 | | 35.3 | 47.3 | | 32.3 |
| | | | | | 31.25 | 6.7 | 48.4 | 16.5 | | 33.4 | 45.7 | | 30.4 |
| | | | | | 62.5 | 9.6 | 43.4 | 14.0 | | 27.3 | 40.6 | | 24.3 |
| | | | | | 100 | 12.3 | 39.9 | 12.0 | | 23.3 | 37.1 | | 20.3 |
| | | | | | 200 | 18 | 34.8 | 9.0 | | 17.2 | 31.9 | | 14.2 |
| | | | | | 250 | 20.3 | 33.1 | 8.0 | | 15.3 | 30.2 | | 12.3 |
| | | | | | 350 | 24.6 | 29.7 | 6.6 | | 12.4 | 26.9 | | 9.4 |
| | | | | | 500 | 30.2 | 22.0 | 6.0 | | 9.3 | 20.4 | | 6.3 |

10GBASE-T Ch CI F 0-100m

DRAFT STANDARD - For Verification Purposes ONLY

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12345678 | i | 100 m | 555 | 50 | 1 | 4 | 65.0 | 19.0 | | 65.0 | 62.0 | | 62.0 |
| 12345678 | | | | | 4 | 4.1 | 65.0 | 19.0 | | 65.0 | 62.0 | | 62.0 |
| | | | | | 8 | 5.7 | 65.0 | 19.0 | | 62.4 | 62.0 | | 59.4 |
| 12345678S | | | | | 10 | 6.4 | 65.0 | 19.0 | | 60.8 | 62.0 | | 57.8 |
| 12345678S | | | | | 16 | 8.1 | 65.0 | 18.0 | | 57.5 | 62.0 | | 54.5 |
| | | | | | 20 | 9.1 | 65.0 | 17.5 | | 55.9 | 62.0 | | 52.9 |
| | | | | | 25 | 10.2 | 65.0 | 17.0 | | 54.4 | 62.0 | | 51.4 |
| | | | | | 31.25 | 11.4 | 65.0 | 16.5 | | 52.8 | 62.0 | | 49.8 |
| | | | | | 62.5 | 16.3 | 65.0 | 14.0 | | 47.8 | 62.0 | | 44.8 |
| | | | | | 100 | 20.8 | 62.9 | 12.0 | | 44.4 | 59.9 | | 41.4 |
| | | | | | 200 | 30 | 58.3 | 9.0 | | 39.4 | 55.3 | | 36.4 |
| | | | | | 250 | 33.8 | 56.9 | 8.0 | | 37.8 | 53.9 | | 34.8 |
| | | | | | 350 | 40.5 | 54.7 | 8.0 | | 35.3 | 51.7 | | 32.3 |
| | | | | | 500 | 49.3 | 52.4 | 8.0 | | 32.6 | 49.4 | | 29.6 |

CATV Broadband

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | | | |
|-----------|------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|---|---|---|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | | | |
| 12345678 | i | 90 m | 498 | 44 | 1 | 3 | i | i | i | i | i | i | i | | | |
| 12345678 | | | | | 4 | 4 | i | i | i | i | i | i | i | i | i | |
| | | | | | 8 | 5.7 | i | i | i | i | i | i | i | i | i | i |
| 12345678S | | | | | 10 | 6.3 | i | i | i | i | i | i | i | i | i | i |
| 12345678S | | | | | 16 | 8 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 20 | 9 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 25 | 10.1 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 31.25 | 11.4 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 62.5 | 16.5 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 100 | 21.3 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 200 | 31.5 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 250 | 35.9 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 600 | 55 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 700 | 55 | i | i | i | i | i | i | i | i | i | i |
| | | | | | 800 | 55 | i | i | i | i | i | i | i | i | i | i |
| | 865 | 55 | i | i | i | i | i | i | i | i | i | i | | | | |

Cat6 Selftest

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|-----------|------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 | 2 | i | 10 | 3 | 1 | 1 | 65.0 | 19.0 | | 65.0 | | | | |
| 12345678 | | | | | 4 | 1 | 64.0 | 19.0 | | 65.0 | | | | |
| | | | | | 8 | 1 | 57.9 | 19.0 | | 63.9 | | | | |
| 12345678S | | | | | 10 | 1 | 56.0 | 19.0 | | 62.0 | | | | |
| 12345678S | | | | | 16 | 1 | 51.9 | 19.0 | | 57.9 | | | | |
| | | | | | 20 | 1 | 50.0 | 19.0 | | 56.0 | | | | |
| | | | | | 25 | 1 | 48.0 | 19.0 | | 54.0 | | | | |
| | | | | | 31.25 | 1 | 46.1 | 17.8 | | 52.1 | | | | |
| | | | | | 62.5 | 1 | 40.1 | 14.2 | | 46.1 | | | | |
| | | | | | 100 | 1 | 36.0 | 11.8 | | 42.0 | | | | |
| | | | | | 200 | 1 | 27.0 | 8.2 | | 36.0 | | | | |
| | | | | | 250 | 1 | 24.1 | 7.0 | | 34.0 | | | | |

Class F Selftest

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|-----------|------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 | 2 | i | 10 | 3 | 1 | 1 | 75.0 | 20.0 | | 75.0 | | | | |
| 12345678 | | | | | 4 | 1 | 75.0 | 20.0 | | 75.0 | | | | |
| | | | | | 8 | 1 | 75.0 | 20.0 | | 74.5 | | | | |
| 12345678S | | | | | 10 | 1 | 75.0 | 20.0 | | 73.0 | | | | |
| 12345678S | | | | | 16 | 1 | 75.0 | 20.0 | | 69.9 | | | | |
| | | | | | 20 | 1 | 75.0 | 20.0 | | 68.5 | | | | |
| | | | | | 25 | 1 | 75.0 | 20.0 | | 67.0 | | | | |
| | | | | | 31.25 | 1 | 75.0 | 18.9 | | 65.6 | | | | |
| | | | | | 62.5 | 1 | 70.5 | 15.6 | | 61.1 | | | | |
| | | | | | 100 | 1 | 66.0 | 13.4 | | 58.0 | | | | |
| | | | | | 200 | 1 | 59.4 | 10.1 | | 53.5 | | | | |
| | | | | | 250 | 1 | 57.2 | 9.0 | | 52.0 | | | | |
| | | | | | 600 | 1 | 48.9 | 9.0 | | 46.3 | | | | |

DTX-PL Selftest

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT | |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|-----|--------|---------|--------|-----------|--|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB | |
| 12345678 | 2 | i | 10 | 3 | 1 | 0.6 | 79.0 | | | 79.0 | | | | |
| 12345678 | | | | | 4 | 0.6 | 79.0 | 25.0 | | 79.0 | | | | |
| | | | | | 8 | 0.6 | 78.9 | 25.0 | | 79.0 | | | | |
| 12345678S | | | | | 10 | 0.7 | 77.0 | 25.0 | | 79.0 | | | | |
| 12345678S | | | | | 16 | 0.7 | 72.9 | 25.0 | | 74.9 | | | | |
| | | | | | 20 | 0.7 | 71.0 | 25.0 | | 73.0 | | | | |
| | | | | | 25 | 0.7 | 69.0 | 25.0 | | 71.0 | | | | |
| | | | | | 31.25 | 0.8 | 67.1 | 23.6 | | 69.1 | | | | |
| | | | | | 62.5 | 0.9 | 61.1 | 19.1 | | 63.1 | | | | |
| | | | | | 100 | 1.1 | 57.0 | 16.0 | | 59.0 | | | | |
| | | | | | 200 | 1.6 | 51.0 | 11.5 | | 53.0 | | | | |
| | | | | | 250 | 1.9 | 49.0 | 10.0 | | 51.0 | | | | |

TokenRing, 4Mb/s

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 3456 | i | 100 m | i | i | 1 | | | | 26.5 | | | | |
| 3456 | | | | | 4 | 19 | | 17.5 | | | | | |
| | | | | | 8 | | 13.0 | | | | | | |
| 3456 S | | | | | 10 | | 11.5 | | | | | | |
| 3456 S | | | | | | | | | | | | | |

TokenRing, 16Mb/s, Active

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------|----------|--------|-------------|------------|-------|--------|------|----|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 3456 | i | 100 m | i | i | 1 | | | | 32.1 | | | | |
| 3456 | | | | | 4 | | 23.0 | | | | | | |
| | | | | | 8 | | 18.5 | | | | | | |
| 3456 S | | | | | 10 | | 17.1 | | | | | | |
| 3456 S | | | | | 16 | 16 | 14.0 | | | | | | |
| | | | | | 20 | | 12.5 | | | | | | |
| | | | | | 25 | | 11.1 | | | | | | |

TokenRing, 16Mb/s, Passive

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------|----------|--------|-------------|------------|-------|--------|------|----|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 3456 | i | 100 m | i | i | 1 | | | | 33.6 | | | | |
| 3456 | | | | | 4 | | 24.5 | | | | | | |
| | | | | | 8 | | 20.0 | | | | | | |
| 3456 S | | | | | 10 | | 18.6 | | | | | | |
| 3456 S | | | | | 16 | 19 | 15.5 | | | | | | |
| | | | | | 20 | | 14.0 | | | | | | |
| | | | | | 25 | | 12.6 | | | | | | |

TP-PMD

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|----------|----------|--------|-------------|------------|-------|--------|------|----|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 12 78 | i | 100 m | i | i | 1 | | 51.1 | | 48.6 | | | | |
| 12 78 | | | | | 4 | | 42.0 | | 39.5 | | | | |
| | | | | | 8 | | 37.5 | | 35.0 | | | | |
| 12 78S | | | | | 10 | | 36.1 | | 33.6 | | | | |
| 12 78S | | | | | 16 | 10 | 33.0 | | 30.5 | | | | |
| | | | | | 20 | | 31.5 | | 29.0 | | | | |
| | | | | | 25 | | 30.1 | | 27.6 | | | | |
| | | | | | 31.25 | | 28.6 | | 26.1 | | | | |
| | | | | | 62.5 | | 24.1 | | 21.6 | | | | |

POE 2-Pair Cat 5e Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 123--6-- | i | 100 m | 555 | 50 | 1 | 3 | 60.0 | 17.0 | 57.0 | 57.4 | 57.0 | 54.0 | 54.4 |
| 123--6-- | | | | | 4 | 4.5 | 53.5 | 17.0 | 49.1 | 45.4 | 50.5 | 46.1 | 42.4 |
| | | | | | 8 | 6.3 | 48.6 | 17.0 | 42.3 | 39.3 | 45.6 | 39.3 | 36.3 |
| 123--6--S | | | | | 10 | 7.1 | 47.0 | 17.0 | 39.9 | 37.4 | 44.0 | 36.9 | 34.4 |
| 123--6--S | | | | | 16 | 9.1 | 43.6 | 17.0 | 34.5 | 33.3 | 40.6 | 31.5 | 30.3 |
| | | | | | 20 | 10.2 | 42.0 | 17.0 | 31.8 | 31.4 | 39.0 | 28.8 | 28.4 |
| | | | | | 25 | 11.4 | 40.3 | 16.0 | 28.9 | 29.4 | 37.3 | 25.9 | 26.4 |
| | | | | | 31.25 | 12.9 | 38.7 | 15.1 | 25.9 | 27.5 | 35.7 | 22.9 | 24.5 |
| | | | | | 62.5 | 18.6 | 33.6 | 12.1 | 15.0 | 21.5 | 30.6 | 12.0 | 18.5 |
| | | | | | 100 | 24 | 30.1 | 10.0 | 6.1 | 17.4 | 27.1 | 3.1 | 14.4 |

POE 2-Pair Cat 6 Channel

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|-----------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 123--6-- | i | 100 m | 555 | 50 | 1 | 3 | 65.0 | 19.0 | 62.0 | 63.3 | 62.0 | 59.0 | 60.3 |
| 123--6-- | | | | | 4 | 4 | 63.0 | 19.0 | 59.0 | 51.2 | 60.5 | 56.5 | 48.2 |
| | | | | | 8 | 5.7 | 58.2 | 19.0 | 52.5 | 45.2 | 55.6 | 49.9 | 42.2 |
| 123--6--S | | | | | 10 | 6.3 | 56.6 | 19.0 | 50.2 | 43.3 | 54.0 | 47.7 | 40.3 |
| 123--6--S | | | | | 16 | 8 | 53.2 | 18.0 | 45.2 | 39.2 | 50.6 | 42.6 | 36.2 |
| | | | | | 20 | 9 | 51.6 | 17.5 | 42.6 | 37.2 | 49.0 | 39.9 | 34.2 |
| | | | | | 25 | 10.1 | 50.0 | 17.0 | 39.9 | 35.3 | 47.3 | 37.2 | 32.3 |
| | | | | | 31.25 | 11.4 | 48.4 | 16.5 | 37.0 | 33.4 | 45.7 | 34.3 | 30.4 |
| | | | | | 62.5 | 16.5 | 43.4 | 14.0 | 26.9 | 27.3 | 40.6 | 24.1 | 24.3 |
| | | | | | 100 | 21.3 | 39.9 | 12.0 | 18.6 | 23.3 | 37.1 | 15.8 | 20.3 |
| | | | | | 200 | 31.5 | 34.8 | 9.0 | 3.3 | 17.2 | 31.9 | 0.3 | 14.2 |
| | | | | | 250 | 35.9 | 33.1 | 8.0 | -2.8 | 15.3 | 30.2 | -5.8 | 12.3 |

POE 2-Pair Cat 5e Perm. Link

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 123--6-- 123--6-- | i | 100 m | 555 | 50 | 1 | 3 | 60.0 | 19.0 | 57.0 | 58.6 | 57.0 | 54.0 | 55.6 |
| | | | | | 4 | 3.9 | 54.8 | 19.0 | 50.9 | 46.6 | 51.8 | 47.9 | 43.6 |
| | | | | | 8 | 5.5 | 50.0 | 19.0 | 44.5 | 40.6 | 47.0 | 41.5 | 37.6 |
| 123--6--S 123--6--S | | | | | 10 | 6.2 | 48.5 | 19.0 | 42.3 | 38.6 | 45.5 | 39.3 | 35.6 |
| | | | | | 16 | 7.9 | 45.2 | 19.0 | 37.3 | 34.5 | 42.2 | 34.3 | 31.5 |
| | | | | | 20 | 8.9 | 43.7 | 19.0 | 34.8 | 32.6 | 40.7 | 31.8 | 29.6 |
| | | | | | 25 | 10 | 42.1 | 18.0 | 32.1 | 30.7 | 39.1 | 29.1 | 27.7 |
| | | | | | 31.25 | 11.2 | 40.5 | 17.1 | 29.3 | 28.7 | 37.5 | 26.3 | 25.7 |
| | | | | | 62.5 | 16.2 | 35.7 | 14.1 | 19.4 | 22.7 | 32.7 | 16.4 | 19.7 |
| | | | | | 100 | 21 | 32.3 | 12.0 | 11.3 | 18.6 | 29.3 | 8.3 | 15.6 |

POE 2-Pair Cat 6 Perm. Link

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------------|----------|--------|-------------|------------|-------|--------|------|------|------|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 123--6-- 123--6-- | i | 100 m | 555 | 50 | 1 | 3 | 65.0 | 19.1 | 62.0 | 64.2 | 62.0 | 59.0 | 61.2 |
| | | | | | 4 | 3.5 | 64.1 | 21.0 | 60.6 | 52.1 | 61.8 | 58.3 | 49.1 |
| | | | | | 8 | 5 | 59.4 | 21.0 | 54.4 | 46.1 | 57.0 | 52.1 | 43.1 |
| 123--6--S 123--6--S | | | | | 10 | 5.5 | 57.8 | 21.0 | 52.3 | 44.2 | 55.5 | 49.9 | 41.2 |
| | | | | | 16 | 7 | 54.6 | 20.0 | 47.6 | 40.1 | 52.2 | 45.2 | 37.1 |
| | | | | | 20 | 7.9 | 53.1 | 19.5 | 45.2 | 38.2 | 50.7 | 42.8 | 35.2 |
| | | | | | 25 | 8.9 | 51.5 | 19.0 | 42.7 | 36.2 | 49.1 | 40.2 | 33.2 |
| | | | | | 31.25 | 10 | 50.0 | 18.5 | 40.0 | 34.3 | 47.5 | 37.6 | 31.3 |
| | | | | | 62.5 | 14.4 | 45.1 | 16.0 | 30.8 | 28.3 | 42.7 | 28.3 | 25.3 |
| | | | | | 100 | 18.6 | 41.8 | 14.0 | 23.3 | 24.2 | 39.3 | 20.7 | 21.2 |
| | 200 | 27.4 | 36.9 | 11.0 | 9.6 | 18.2 | 34.3 | 7.0 | 15.2 | | | | |
| | 250 | 31.1 | 35.3 | 10.0 | 4.2 | 16.2 | 32.7 | 1.6 | 13.2 | | | | |

Voice - 1 Pair

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|--------------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 45 45 | i | i | i | N/A | X | | | | | | | | |
| 45 S 45 S | | | | | X | | | | | | | | |
| | | | | | X | | | | | | | | |
| | | | | | X | | | | | | | | |

Voice - 2 Pair

| Wire Map | Res. | Length | Prop. Delay | Delay Skew | Freq. | Atten. | NEXT | RL | ACR | ELFEXT | PS NEXT | PS ACR | PS ELFEXT |
|------------------|----------|--------|-------------|------------|-------|--------|------|----|-----|--------|---------|--------|-----------|
| | Ω | Max. | nS | nS | MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| 3456 3456 | i | i | i | i | X | | | | | | | | |
| 3456 S 3456 S | | | | | X | | | | | | | | |
| | | | | | X | | | | | | | | |
| | | | | | X | | | | | | | | |