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|-----------------------------------|--|---------------------------------------|-------|-------------------------------|------------|---------------|--------------|-----------------|
| Test Standard | ISO/IEC11801、TIA/EIA-568-C.2、YD/T1019 AS/NZS 30801:2003 Class E | | | | | | | |
| Conductor | Material | Solid-Bare Copper | | | | | | |
| | Nom.O.D. | 23AWG | | | | | | |
| Insulation | Material | HDPE | | | | | | |
| | Diameter | 0.95±0.03mm | | | | | | |
| Sheath | Thickness | 0.55±0.05 mm | | Technical Performance (100m): | | | | |
| | External O.D. | 6.2±0.4 mm | | Frequency [MHz] | RL ≥dB | ATT[20°C] ≤dB | NEXT ≥dB | PHASE DELAY ≤ns |
| | Surface | Clean,Frap,Satiation | | 1 | 20.0 | 2.03 | 74.3 | 570.00 |
| | Material | PVC [complies RoHS and CM (UL) rated] | | 4.0 | 23.0 | 3.78 | 65.3 | 552.00 |
| Surface Printing | Letter height | 3.0±0.3mm | | 8.0 | 24.5 | 5.32 | 60.8 | 546.73 |
| | Print error & Space | ≤±0.5%, 1m | | 10.0 | 25.0 | 5.95 | 59.3 | 545.38 |
| Core Color | 1 White- Blue /Blue | 2 White-Orange /Orange | | 16.0 | 25.0 | 7.55 | 56.2 | 543.00 |
| | 3 White- Green /Green | 4 White- Brown /Brown | | 20.0 | 25.0 | 8.47 | 54.8 | 542.05 |
| Packing | 305m /Box | | | 25.0 | 24.3 | 9.51 | 53.3 | 541.20 |
| Rip-cord | Yes | Drain wire | No | 31.25 | 23.6 | 10.67 | 51.9 | 540.44 |
| | Before Aging Tensile Strength [Mpa] ≥13.5 Elongation[%] ≥150 | | | 62.5 | 21.5 | 15.38 | 47.7 | 538.55 |
| Sheath Physical Properties | Aging Period [°C×hrs] | 100°C×24h×7d | | 100 | 20.1 | 19.80 | 44.3 | 537.60 |
| | After Aging Tensile Strength[Mpa] | ≥12.5 | | 200 | 18.0 | 28.98 | 39.8 | 536.54 |
| | Elongation[%] | ≥125 | | 250 | 17.3 | 32.85 | 38.3 | 536.27 |
| | Cold bend[-20±2°C×4h] | 8×Cable O.D. No visible cracks | | Frequency [MHz] | PSNEXT ≥dB | ELFEXT ≥dB | PSELFEXT ≥dB | |
| Electrical Characteristics [20°C] | 1.0-250.0MHz Impedance [(°)] | 100±15 | | 1 | 72.3 | 67.8 | 64.8 | |
| | 1.0-250.0MHz Delay Shew [ns/100m] | ≤45 | | 4 | 63.3 | 55.8 | 52.8 | |
| | DC Resistance [·/100m] max | 9.38 | | 8 | 58.8 | 49.7 | 46.7 | |
| | DC Conductor Resistance Unbalance [%] max | 5.0 | | 10 | 57.3 | 47.8 | 44.8 | |
| | | | | 16 | 54.2 | 43.7 | 40.7 | |
| | | 20 | 52.8 | 41.8 | 38.8 | | | |
| | | | 25 | 41.3 | 39.8 | 36.8 | | |
| | | | 31.25 | 49.9 | 37.9 | 34.9 | | |
| | | | 62.5 | 45.4 | 31.9 | 28.9 | | |
| | | | 100 | 42.3 | 27.8 | 24.8 | | |
| | | | 200 | 37.8 | 21.8 | 18.8 | | |
| | | | 250 | 36.3 | 19.8 | 16.8 | | |

Meets AS/NZS 30801:2003 Class E.

