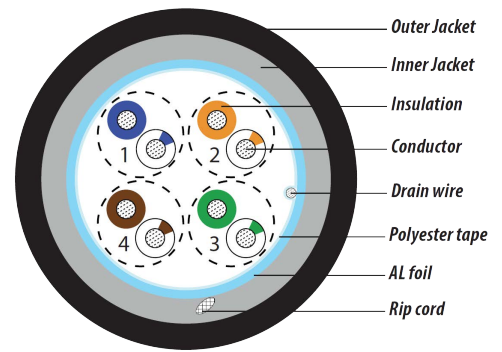


PRODUCT SCHEMATIC DIAGRAM



PRODUCT SCHEMATIC DIAGRAM



Cross section



| | |
|-------------------------------|--|
| | IEC 60332-1-2, EN 50575, EN 50399, |
| Eca | EN 50575 IEC 60332-1-2 Reaction to fire Eca |
| PE Sheath | EN 50575 Reaction to fire Fca |
| Applicable Standards | ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50173-2, EN 50288-10-1 |
| Conductor Type and Size | Bare copper wire 24 AWG |
| Insulation | Polyethylene |
| Wire Diameter with Insulation | 0.98 ±0.05mm |
| Cable Diameter | 6.0 ±0.30mm(PVC) 7.1 ±0.30mm(PE) |
| Weight | 46.0 kg/km |
| Colour | RAL 9005 (PE) |
| NVP | 60 % |
| Propagation delay | 570 ns/100 m |
| Delay skew | ≤45 ns/100 m |
| Storage/Operation Temperature | -20 to 75 °C (PVC) -30 to 60 °C (PE) |
| Installation Temperature | 0 to +50 °C |

COMPLIANCE WITH THE REQUIREMENTS

- ANSI/TIA 568-C.2
- EN 50173-1:2002
- ISO/IEC 11801:2002
- IEC 60332-1-2:2004+A1:2015
- IEC 61156-5
- EN50399:2011+A1:2016
- EN50575:2014+A1:2016

APPLICATION

- PBX, V.11, X.21, ISDN
- Fast Ethernet (100BASE-TX)
- Gigabit Ethernet (1000BASE-T)
- (1GBASE-T), ATMLAN 1,2 Gbit/s
- 1 Gigabit Ethernet
- ATM-25/52/155 Mbit/s
- Token Ring 16/100 Mbit/s
- 100VG-AnyLAN
- Firewire 100 Mbit/s
- Ethernet (1Base-T)

| Part No. | Description |
|-----------|---|
| ■ 7934115 | Installation Cable Category 5E 24AWG F/UTP SOL CABLE PVC+ PE 305M Fca |
| | |
| | |

CATEGORY 5E INSTALLATION CABLES TRANSMISSION CHARACTERISTICS (AT 20°C)

| f (MHz) | Attenuation (dB/100m) | NEXT (dB) | PSNEXT (dB) | Prop. Delay (ns/100m) | ACR-F (dB/100m) | PSACR-F (dB/100m) | Return Loss (dB) |
|---------|-----------------------|-----------|-------------|-----------------------|-----------------|-------------------|------------------|
| 4 | 4.0 | 56.3 | 53.3 | 552.0 | 51.8 | 48.8 | 23.0 |
| 8 | 5.8 | 51.8 | 48.8 | 546.7 | 45.7 | 42.7 | 24.5 |
| 10 | 6.5 | 50.3 | 47.3 | 545.4 | 43.8 | 40.8 | 25.0 |
| 16 | 8.2 | 47.2 | 44.2 | 543.0 | 39.7 | 36.7 | 25.0 |
| 20 | 9.3 | 45.8 | 42.8 | 542.0 | 37.8 | 34.8 | 25.0 |
| 25 | 10.4 | 44.3 | 41.3 | 541.2 | 35.8 | 32.8 | 24.3 |
| 31,25 | 11.7 | 42.9 | 39.9 | 540.4 | 33.9 | 30.9 | 23.6 |
| 62,5 | 17.0 | 38.4 | 35.4 | 538.6 | 27.9 | 24.9 | 21.5 |
| 100 | 22.0 | 35.3 | 32.3 | 537.6 | 23.8 | 20.8 | 20.1 |



■ 7934115

