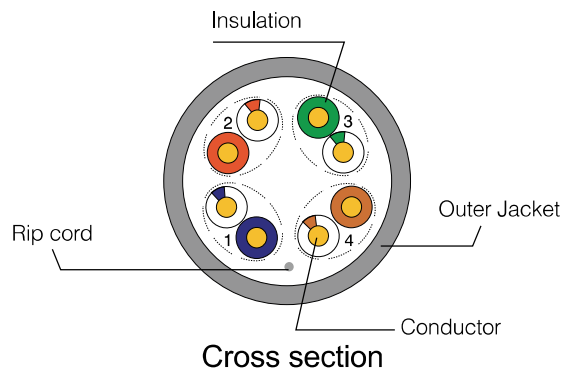


PRODUCT SCHEMATIC DIAGRAM



| | |
|-------------------------------|---|
| LSZH Sheath | IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399, Reaction to fire Dca |
| PVC Sheath | IEC 60754-2, IEC 61034-2, IEC 60332-1-2, Reaction to fire Eca |
| PE Sheath | 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 | 0.88±0.02 mm |
| Cable Diameter | 4.9±0.2 mm (LSZH) 5.0±0.2 mm (PVC) 4.8±0.2 mm (PE) |
| Weight | 28.5 kg/km (LSZH) 29.5 kg/km (PVC) 27 kg/km (PE) |
| Colour | RAL 4005 (LSZH) RAL 7004 (PVC) RAL 9005 (PE) |
| NVP | 69 % |
| Propagation delay | 570 ns/100 m |
| Delay skew | ≤45 ns/100 m |
| Storage/Operation Temperature | -30 to 90 °C (LSZH, LSZHFR), -20 to 75 °C (PVC) -30 to 60 °C (PE) |
| Installation Temperature | 0 to +50 °C |

PRODUCT SCHEMATIC DIAGRAM



1 Gbps
100 MHz
FORCE

COMPLIANCE WITH THE REQUIREMENTS

- ANSI/TIA 568-C.2
- ISO/IEC 11801:2002
- IEC 61156-5
- EN50399:2011+A1:2016
- EN50575:2014+A1:2016
- EN 50173-1:2002
- IEC 60332-1-2:2004+A1:2015
- IEC 60754-2:2011
- IEC 61034-2:2005+A1:2013

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 |
|-------------|--|
| ■ 7931051D | Installation Cable Category 5E 24AWG U/UTP SOL CABLE LSZH 305M Dca |
| ■ 49555/305 | Installation Cable Category 5E 24AWG U/UTP SOL CABLE PVC 305M Eca |
| ■ 49219 | Installation Cable Category 5E Outdoor 24AWG U/UTP SOL CABLE PE 305M Fca |
| ■ 49219/500 | Installation Cable Category 5E Outdoor 24AWG U/UTP SOL CABLE PE 500M 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) |
|---------|-----------------------|-----------|-------------|-----------------------|-----------------|-------------------|------------------|
| 1 | 2,0 | 65,3 | 62,3 | 570 | 63,8 | 60,8 | 20,0 |
| 4 | 4,1 | 56,3 | 55,3 | 552 | 51,8 | 48,8 | 23,0 |
| 8 | 5,8 | 51,8 | 48,8 | 547 | 45,7 | 42,7 | 24,5 |
| 10 | 6,5 | 50,3 | 47,3 | 545 | 43,8 | 40,8 | 25,0 |
| 16 | 8,2 | 47,2 | 44,2 | 543 | 39,7 | 36,7 | 25,0 |
| 20 | 9,3 | 45,8 | 42,8 | 542 | 37,8 | 34,8 | 25,0 |
| 25 | 10,4 | 44,3 | 41,3 | 541 | 35,8 | 32,8 | 24,2 |
| 31,25 | 11,7 | 42,9 | 39,9 | 540 | 33,9 | 30,9 | 23,3 |
| 62,5 | 17,0 | 38,4 | 35,4 | 539 | 27,9 | 24,9 | 20,7 |
| 100 | 22,0 | 35,3 | 32,3 | 538 | 23,8 | 20,8 | 19 |



■ 7931051D



■ 49555/305



■ 49219/305

■ 49219

