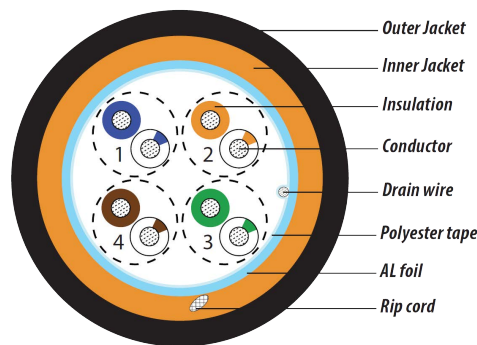


PRODUCT SCHEMATIC DIAGRAM



PRODUCT SCHEMATIC DIAGRAM



Cross section

1 Gbps

100 MHz

FORCE



IEC 60754-2, IEC 61034-2, 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(LSZH)
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 (LSZH)
-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
- IEC 60754-2:2011
- EN50399:2011+A1:2016
- IEC 61034-2:2005+A1:2013
- 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

■ 7934116

Installation Cable Category 5E 24AWG F/UTP SOL CABLE LSZH+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



■ 7934116

