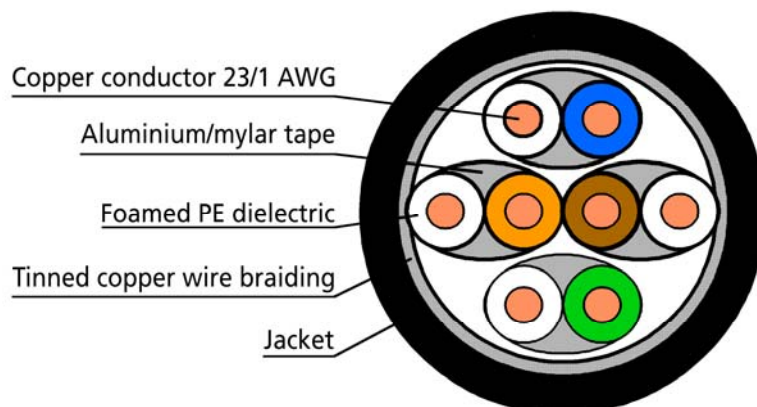


L02002A0146	AMJ 900 Outdoor S/FTP 4x2xAWG23/1 PE Cat.7
Solid Cable	



Application	Primary (Campus), Secondary (Riser), Tertiary (Horizontal) IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T IEEE 802.5 16 MB ; ISDN ; TPDDI ; ATM
Standards	ANSI/TIA/EIA 568-C.2; ISO/IEC 11801; DIN EN 50173-1; IEC 61156-5; DIN EN 50288-4-1

Construction

Conductor	Bare copper wire Ø 0.56 mm (AWG23)
Insulation	Foam skin polyethylene, Ø 1.4mm
Twisting	2 cores to the pair
Cable lay up	4 pairs (PIMF)
Pair screening	Aluminum laminated plastic foil
Overall screening	Copper braid, tinned
Outer jacket	PE, black, wall thickness 1,2 mm, for outdoor installation, UV stable
Cable marking (black)	Telegärtner AMJ 900 Outdoor S/FTP 4x2xAWG23/1 PE Cat.7 ISO/IEC 11801 "production batch no." "sequential length in meters"

Mechanical Properties

Bending radius	≥40 mm without load ≥ 80 mm with load
Temperature range	during operation: -55°C up to +70°C; during installation: -20°C up to +50°C

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Electrical Properties (at 20°C ± 5°C)

DC loop resistance	≤ 165 Ω / km			
Resistance unbalance	≤ 2%			
Insulation resistance (500 V)	≥ 5000 MΩ*km			
Capacitance at 800 Hz	nom. 43 nF/km			
Capacitance unbalance (pair to ground)	≤ 1500 pF/km			
Characteristic impedance				
	(1 - 100 MHz)	(100 ± 15) Ω		
	(100 - 250 MHz)	(100 ± 18) Ω		
	(250-600 MHz)	(100 ± 25) Ω		
Nominal velocity of propagation	ca. 79 %			
Propagation delay	≤ 427 ns/100m			
Delay skew	≤ 12 ns/100m			
Test voltage (DC, 1 min)	1000 V			
Core/Core and Core/Screen				
Transfer impedance (mΩ/m)	at 1 MHz	10 MHz	30 MHz	100 MHz
	≤ 10	≤ 10	≤ 30	≤ 60
Coupling attenuation	≥ 8z5 dB			

Transmission characteristics (at 20°C)

according to IEC 61156-5 Cat.7

Parts Number	Standard designation	Scope of delivery	Outer diameter mm	Weight kg/km	Tensile force N
L02002A0146	A-02YSC2Y 4x2x0.56 PiMF	500 m one-way drum	8,4	95	340