

AZLM AXLE COUNTER CABLE, XPZ TYPE - FLAME RETARDANT LSZH SHEATH



Signaling cable



Flame retardant



Low smoke emission



UV resistant



Rodent resistant



Zero halogen



ROHS compliant

SPECIFICATIONS

Constructive: NR/L2/SIG/30060

Complementary: BS EN 60332-1

DESCRIPTION AND APPLICATION

Cables from 2 to 24 pairs, tinned copper conductors with diameters of 0.9 and 1.4 mm. Solid polyethylene insulation. Fibreglass tape as rodent protection and "moisture barrier" sheath with LSZH flame retardant material. These cables are specific to the AzLM axle counter system carrying ISDN signals from the equipment EAK to the ACE.

CONSTRUCTION

- **Conductors:** Tinned annealed copper, diameter of 0.9 and 1.4 mm.
- **Insulation:** Solid HDPE.
- **Cabling elements:** Pairs.
- **Lay-up.** Up to 24 pairs in layers. Colour code according to NR/L2/SIG/30060.
- **Core wrapping.** Longitudinal dielectric tape with overlap.
- **Rodent protection:** Woven fibreglass tape.
- **Screen.** Copolymer coated aluminium tape longitudinally applied with overlap.
- **Sheath:** Black halogen free UV resistant and flame retardant thermoplastic.
- **Sheath marking:** The outer sheath shall be marked at regular intervals with the following information:
 - Name of Manufacturer / year / Length markings
 - Other type of markings is also possible according to the customer.



ELECTRICAL CHARACTERISTICS (20°C)	0,9	1,4
Maximum conductor Resistance (Ω /km)	30	11.5
Minimum insulation resistance ($M\Omega \times km$, 15°C, 500 V)		5000
Mutual capacitance (nF/km, 800 Hz)	45	50
Dielectric strength (Vdc, 3 s)		
conductor – conductor		2000

TRANSMISSION CHARACTERISTICS (20°C)	0,91	1,40
Maximum attenuation (dB/km)		
40 KHz	2.6	2.0
Characteristic impedance (Ω)		
90 KHz		135±10

All drawings, designs, specifications and particulars of weights, dimensions, etc. in this documentation are only indicative and must not be considered contractual.

EA2D14S-Ed1

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MECHANICAL CHARACTERISTICS

Temperature range: from -25° C to +75° C

Minimum bending radius: 10 x R_{cable}

DIMENSIONS AND WEIGHTS

Diameter : 0.91 mm					
Code	# Pairs	Cable (mm)	Aprox. Weight. (kg/km)	Length (m)	Drum type
EA2D14S91000102N	2*	12.5	173	1000	A0
EA2D14S91000202N	2	14.4	200	1000	A4
EA2D14S91001002N	10	20.6	425	1000	A3
EA2D14S91001202N	12	21.3	469	1000	A3
EA2D14S91001902N	19	24.4	633	1000	A4
EA2D14S91002402N	24	26.5	747	1000	A4

Diameter : 1.40 mm					
Code	# Pairs	Cable (mm)	Aprox. Weight. (kg/km)	Length (m)	Drum type
EA2D14SA4000102N	2*	13.7	227	1000	A0
EA2D14SA4000202N	2	18.8	315	1000	A2
EA2D14SA4001002N	10	29.2	807	1000	A6
EA2D14SA4001202N	12	30.4	910	1000	A6
EA2D14SA4001902N	19	35.5	1285	1000	A8
EA2D14SA4002402N	24	39	1550	1000	B0

* 1 star quad cable.

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