

CABLE FOR TRAFFIC LIGHT INSTALATIONS, ALPSTI SHEATH

Telecommunications
cable

UV resistant



Rodent resistant



Flame retardant

Low smoke
emission

Zero halogen



ROHS compliant

STANDARDS

Construction: EN 50290

Complementary : UNE EN 50265 2-1, UNE EN 50267-2-2 and UNE EN 50268- 1 & 2

DESCRIPTION AND APPLICATION

Cables from 2 to 32 pairs, conductor diameter of 0.9 mm with PE insulation. Pairs are stranded into layers to form the core that is protected with a fire-retardant halogen-free (LSZH) ALPSTI sheath. They are used as cables for traffic lights signalling in underground installations for duct or direct burial installations. This sheath provides a special protection against rodents.

CONSTRUCTION

- **Conductors:** Annealed copper, diameter 0.90 mm.
- **Insulation:** Solid polyethylene.
- **Cabling elements:** Pairs.
- **Lay-up.** Lay-up in layers.
- **Core wrapping.** Longitudinal dielectric tape applied with overlap.
- **Screen:** Longitudinal aluminium tape coated with PE copolymer, overlapped and bonded to the inner sheath.
- **Inner sheath:** Black LDPE.
- **Armour:** Corrugated copolymer coated steel tape, longitudinally applied and overlapped.
- **Sheath:** Halogen free and flame retardant thermoplastic UV resistant, black colour.
- **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)	0,90
Conductor Resistance (Ω/km)	Average 27.5 \pm 1 / Maximum: 29,2
Minimum insulation resistance ($M\Omega \times km$, 20°C, 500 V)	25000
Mutual capacitance (nF/km , 800 Hz)	Average: 52 \pm 4 / Maximum :61
Dielectric strength (Vdc, 3s)	
Pair-pair	1000
Pair-screen	1000

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

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MECHANICAL CHARACTERISTICS

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

Minimum bending radius: 12 x R_{cable}

DIMENSIONS AND WEIGHTS

Diameter : 0.90 mm		Cable Diam. (mm)	Approx. weight. (kg/km)	Length (m)	Drum
Code	# Pairs				
EA130PC90000202N	2	12.2	265	1000	08
EA130PC90000402N	4	13.5	216	1000	A0
EA130PC90000802N	9	15.2	297	1000	A0
EA130PC90001502N	15	17.7	408	1000	A2
EA130PC90001602N	16	18.1	430	1000	A2
EA130PC90003202N	32	23.0	712	1000	A4

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