

SYT2-SH. ARMoured TELEPHONE CABLES FOR INTERIORS WITH LSOH SHEATH



Telecommunications
cable



Flame
retardant



Low smoke
emission



Impact
resistant



UV resistant



Zero halogen



ROHS
compliant

STANDARDS

Construction: UTE C93-529-1

Complementary: EN 50265 2.1, NF C 32-070 2.1 Cat 2, EN 50268-2 and EN 50267-2-2

DESCRIPTION AND APPLICATION

Indoor armoured cables from 5 to 112 pairs with copper conductors of 0.5, 0.6 and 0.9 mm. Solid PE insulation twisted into pairs and stranded into layers or units by size. Aluminium/polyester screen with a continuity wire, steel strip armour applied helically and LSZH sheath. Cables for distribution of telephone lines in interiors with metallic armour to satisfy demanding mechanical requirements. These cables are particularly suitable for installation in industrial environment.

CONSTRUCTION

- **Conductors:** Annealed copper, diameters of 0.50, 0.60 and 0.90 mm.
- **Insulation:** Solid PE.
- **Cabling elements:** Pairs.
- **Lay-up.** Up to 21 pairs in layers. Cables above as follows: 21 (3x7) -30 (4x7 +2) -42 (6x7) -56 (4x14) and 112 (8x14) pairs.
- **Core wrapping.** Overlapping longitudinal dielectric tape.
- **Screen.** Aluminium/polyester tape with a continuity thread.
- **Inner sheath:** Fire retardant LSOH material.
- **Armour:** Two steel tapes applied helically.
- **Outer Sheath:** Grey fire retardant and UV resistant LSZH material.
- **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)	0,5	0,6	0,9
Maximum conductor Resistance (Ω/km)	96	67	29,7
Minimum insulation resistance ($M\Omega \times km$, 20°C, 500 V)		1500	
Maximum mutual capacitance (no/km, 1000 Hz)		80	
Maximum capacitance unbalance (pF/500m, 1000 Hz)			
Pair-pair		400	
Dielectric strength (Vdc, 1 m)			
conductor – conductor		1500	
conductor– screen		1500	

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: 15 x R_{cable}

DIMENSIONS AND WEIGHTS

Diameter : 0.5 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum
EA2P0F050000502N	5	12.0	240	1000	A0
EA2P0F050001002N	10	12.0	250	1000	A0
EA2P0F050001502N	15	12.0	265	1000	A0
EA2P0F050003002N	30	14.7	370	1000	A0
EA2P0F050005602N	56	17.3	540	1000	A2
EA2P0F050011202N	112	23.0	935	1000	A4

Diameter : 0.9 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum
EA2P0F090000502N	5	13.4	285	1000	A0
EA2P0F090001002N	10	14.7	350	1000	A0
EA2P0F090001502N	15	16.7	500	1000	A2

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