

SYT1-SH. TELEPHONE CABLES FOR INTERIORS WITH LSOH SHEATH



Telecommunications cable



Flame retardant



Low smoke emission



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 cables from 3 to 112 pairs, copper conductors with diameters of 0.5, 0.60 and 0.90 mm. Solid PE insulation twisted into pairs and stranded into layers or units by size.

Aluminium / polyester screen with a continuity wire and LSOH sheath. This is a telephone cable for indoor installations.

CONSTRUCTION

- **Conductors:** Annealed copper, diameters: 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 wire.
- **Sheath:** Grey fire retardant and UV resistant LSOH 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 (nF/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.

Page. 1/2

SYT1-SH. TELEPHONE CABLES FOR INTERIORS WITH LSOH SHEATH

MECHANICAL CHARACTERISTICS

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

Minimum bending radius: 10 x R_{cable}

DIMENSIONS AND WEIGHTS

Diameter : 0.5 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum
EA2P05350000302N	3	6.5	38	1000	06
EA2P05350000502N	5	6.7	50	1000	08
EA2P05350001002N	10	8.0	85	1000	08
EA2P05350001502N	15	8.5	105	1000	08
EA2P05350003002N	30	11.3	200	1000	A0
EA2P05350005602N	56	14.1	320	1000	A2
EA2P05350011202N	112	19.3	610	1000	A4

Diameter : 0.9 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum
EA2P05390000302N	5	10.2	120	1000	A0
EA2P05390000502N	7	11.5	165	1000	A0
EA2P05390001002N	15	13.5	280	1000	A2

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