

TWISTED PAIR INTERNAL COMMUNICATION CABLES. LIMITED FIRE HAZARD LUL STANDARD



Telecommunications cable



Flame retardant



Low smoke emission



Zero halogen



ROHS compliant

STANDARDS

LUL G-7623 A2

DESCRIPTION AND APPLICATION

Cables from 1 to 100 pairs with tinned copper conductors of 0.5 or 0.6 mm, insulated with a thermoplastic material and protected with a flame resistant LSZH sheath. Telephone and telecommunication cables with limited fire hazard, for use inside buildings, stations or equipment rooms.

CONSTRUCTION

- **Conductors:** Tinned annealed copper, diameters 0.5 and 0.6 mm.
- **Insulation:** limited fire hazard thermoplastic.
- **Cabling elements:** Pairs.
- **Lay-up.** Up to 20 pairs in layers. Cables above in units of 10 or 20 pairs.
- **Core wrapping.** Longitudinal dielectric tape applied with overlapping.
- **Sheath:** LSZH material, UV resistant, Grey 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)	0,5	0,6
Conductor resistance (Ω/km)	98±9,8	68±6,8
Minimum insulation resistance ($M\Omega \times \text{km}$, 20°C, 500 V)	50	
Capacitance unbalance (pF/500 m, 800 Hz)		
Pair-pair	500	300

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

EA1402F-Ed1

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MECHANICAL CHARACTERISTICS

Temperature range: from -15° C to +65° C

Minimum bending radius: $10 \times R_{\text{cable}}$

DIMENSIONS AND WEIGHTS

Diameter: 0.5 mm					
Code	# pairs	Cable Diam. (mm)	Approx weight. (kg/km)	Length (m)	Drum
EA1402F50000102N	1	4.1	28	2000	08
EA1402F50000202N	2	5.6	38	2000	08
EA1402F50000302N	3	5.9	46	2000	08
EA1402F50000602N	6	7.2	66	2000	08
EA1402F50001002N	10	9.6	115	2000	A0
EA1402F50002002N	20	11.2	175	2000	A0
EA1402F50004002N	40	14.0	294	1000	A2
EA1402F50008002N	80	19.9	593	1000	A3
EA1402F50010002N	100	21.5	707	1000	A3

Diameter : 0.6 mm					
Code	# pairs	Cable Diam. (mm)	Approx weight. (kg/km)	Length (m)	Drum
EA1402F60000102N	1	5.1	31	2000	08
EA1402F60000202N	2	6.6	46	2000	08
EA1402F60000302N	3	7.0	56	2000	08
EA1402F60000602N	6	8.6	83	2000	08
EA1402F60001002N	10	10.7	144	2000	A0
EA1402F60002002N	20	12.6	227	2000	A2
EA1402F60004002N	40	16.0	391	2000	A4
EA1402F60008002N	80	22.8	788	1000	A4
EA1402F60010002N	100	24.8	947	1000	A4

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