

"POLY UNIT TWIN" CABLE ACCORDING TO EIRCOM LD 130 STANDARD. MOISTURE BARRIER SHEATH

Telecommunications
cable

UV resistant



ROHS compliant

STANDARDS

Construction: EIRCOM LD 130

DESCRIPTION AND APPLICATION

Cables from 100 to 2400 pairs copper conductors with diameters of 0.4, 0.5, 0.63 or 0.9 mm. Solid PE insulation, twisted into pairs, stranded into units of 25 pairs with a moisture barrier sheath. They receive the generic name 'Poly Unit Twin Cable'. These cables are used as feed in the distribution network inside conduits and generally pressurized.

CONSTRUCTION

- **Conductors:** Annealed copper, diameters of 0.4, 0.5, 0.63 and 0.9 mm.
- **Insulation:** Solid HDPE.
- **Cabling elements:** Pairs.
- **Lay-up:** Up to 26 pairs in layers. Cables above in units of 25 pairs.
- **Core wrapping:** Overlapping longitudinal dielectric tape.
- **Screen:** Longitudinal aluminium tape coated with PE copolymer applied with overlap and bonded to the outer sheath of PE.
- **Sheath:** Black UV resistant LDPE.
- **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)	0,40	0,51	0,63	0,91
<i>Conductor resistance (Ω/km)</i>				
• Average	143	91	58	28
• Maximum value for 99 %	150	96	60	30
<i>Minimum insulation resistance (MΩxkm, 20°C, 500 V)</i>	6500			
<i>Mutual capacitance (nF/km, 800 Hz)</i>				
• Average	53	53	56	59
• Maximum value for 99 % of values	60	60	60	64
<i>Maximum capacitance unbalance (pF/500m, 800 Hz)</i>	275			
<i>Dielectric strength (Vdc, 3 s)</i>				
conductor – conductor	500	500	500	500

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 : 0.4 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum

EA2V03041160002N	1600	63.2	5275	500	BB
EA2V03041200002N	2000	69.0	6471	350	BB
EA2V03041240002N	2400	75.4	7697	300	B1

Diameter: 0.5 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum

EA2V03051010002N	100	22.7	606	1000	A4
EA2V03051020002N	200	29.3	1099	1000	A6
EA2V03051030002N	300	34.2	1577	1000	A8
EA2V03051040002N	400	39.9	2058	1000	B1
EA2V03051060002N	600	47.8	3019	700	BB
EA2V03051080002N	800	53.4	3932	500	B1
EA2V03051120002N	1200	65.7	6133	300	B0

Diameter : 0.63 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum

EA2V03063010002N	100	26.3	912	1000	A4
EA2V03063020002N	200	36.5	1695	1000	B0
EA2V03063030002N	300	41.5	2466	1000	B0

Diameter : 0.9 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum

EA2V03091010002N	100	26.3	912	1000	B0
EA2V03091020002N	200	36.5	1695	700	B0

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