

CW 1280 / CW 1179. QUAD CABLE No. 6 - MOISTURE BARRIER SHEATH

Telecommunications
Cable

UV resistant



ROHS conforms

STANDARDS

Construction: BT CW 1280 / CW 1179

DESCRIPTION AND APPLICATION

Cables with 7 to 114 star quads (14 to 228 pairs), conductors of 0.63 and 0.9 mm, cellular PE insulation. Quads are stranded into layers to form the core which is protected by a moisture barrier sheath. They are used as primary cables in distribution networks inside ducts.

CONSTRUCTION

- **Conductors:** Annealed Cooper of 0.63 and 0.90 mm nominal diameter.
- **Insulation:** Cellular polyethylene.
- **Cabling elements:** Star quads.
- **Core:** Stranded into layers in alternate directions.
- **Core wrapping.** Paper tape, longitudinally applied with overlap.
- **Cable screen.** Polyethylene coated aluminium tape longitudinally applied with overlap and bonded to the external PE sheath.
- **Sheath:** UV resistant black PE.
- **Sheath marking :** The outer sheath shall be marked in white ink, at regular intervals, with the following information:
 - Name of manufacturer/ Year/ Length marks
 - Other type of marks according to the costumer



ELECTRICAL CHARACTERISTICS (20°C)

	0,63	0,90
Conductor Resistance (Ω/km)	Average: 57,5 Max 99 %: 59	Average: 28 Max 99 %: 29
Resistance Unbalance (%) $100 \times (R_{max} - R_{min}) / (R_{max} + R_{min})$	Maximum 2,0 %	
Minimum insulation resistance ($M\Omega \times km$, 500 Vcc)	20000	
Mutual capacitance (nF/km, 800 Hz)		
• Minimum	43	39
• Maximum	47	43
Capacitance Unbalance. (pF/460m, 800 Hz)	Average	Maximum
Between pairs of the same quad	50	300
Between pairs of adjacent quads	30	200
Between pairs of not adjacent quads	-	100
Pair-earth	200	1200
Ghost pair- Same quad pair	300	2400

MECHANICAL CHARACTERISTICS

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

Bending radius: 12 x R_{cable}

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

EA58030-Ed1

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DIMENSIONS AND WEIGHTS

Diameter : 0.63 mm					
Code	No. quads	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA5803063000702N	7	12.5	165	1840	A0
EA5803063001402N	14	16.5	290	1840	A4
EA5803063003002N	30	22.0	520	1840	A6
EA5803063005202N	52	27.0	850	1840	A8
EA5803063008002N	80	32.0	1260	970	B0
EA5803063011402N	114	37.0	1750	970	B0

Diameter : 0.90 mm					
Code	No. quads	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA5803090000702N	7	16.0	290	1840	A3
EA5803090001402N	14	22.0	515	1840	A6
EA5803090003002N	30	29.0	1000	1840	B0
EA5803090005202N	52	36.0	1670	970	A8
EA5803090008002N	80	45.0	2500	970	B0

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