

## CW 1128/1252. FILLED SELF-SUPPORTED PET CABLES



Telecommunications cable



UV resistant



Water blocked



Overhead line cable



ROHS compliant

### STANDARDS

Construction: BT CW 1128/CW 1252

### DESCRIPTION AND APPLICATION

Cables from 10 to 100 pairs, copper conductors with diameters of 0.4, 0.5, 0.6, 0.63 or 0.9 mm. Cellular PE insulation, twisted into pairs, stranded into units of 10 pairs and filled with PE jelly. Self-supported figure "8" PE sheath. These cables are used in aerial distribution networks without pressurization.

### CONSTRUCTION

- **Conductors:** Annealed copper, diameters of 0.40, 0.50, 0.60, 0.63 and 0.90 mm.
- **Insulation:** Cellular PE.
- **Cabling elements:** Pairs.
- **Lay-up:** Up to 10 pairs in layers. Cables above in units of 10 pairs.
- **Filling compound:** PE petroleum jelly.
- **Core wrapping:** Longitudinal dielectric tape applied with overlap.
- **Sheath:** Black PE, UV resistant.
- **Strength member:** Galvanized steel wire or cord. (according cable diameter).
- **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)	0,4	0,5	0,6	0,63	0,9
<i>Maximum conductor resistance (Ω/km)</i>					
• Maximum average	143	91	63	58	28
• 99 % of values	150	96	67	60	30
<i>Minimum insulation resistance (MΩxkm, 20°C, 500 V)</i>	1500				
<i>Mutual capacitance (nF/km, 800 Hz)</i>					
• Maximum Average	56	56	42	56	59
• 99 % of values	64	64	46	64	65
<i>Maximum capacitance unbalance (pF/500m, 800Hz)</i> pair – pair	275				

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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### STRENGTH MEMBER (BARE WIRE) CHARACTERISTICS

	Up to 13 mm cable diameter	More than 13 mm cable diameter
Composition	1x2,65	7x1,6
Max sheath diameter(mm)	7	9

### MECHANICAL CHARACTERISTICS

Temperature range: from -25° C to +65° C

Minimum bending radius: 12 x R<sub>cable</sub>

### DIMENSIONS AND WEIGHTS

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

EA3C01A51000502N	5	8.5	109	1000	08
EA3C01A51001002N	10	9.6	135	1000	08
EA3C01A51002002N	20	11.5	188	1000	A0
EA3C01A51003002N	30	13.1	237	1000	A0
EA3C01A51005002N	50	15.7	411	1000	A2
EA3C01A51010002N	100	21.3	664	1000	A4

Diameter : 0.6 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum

EA3C01A60000502N	5	11.3	137	1000	A0
EA3C01A60001002N	10	13.1	179	1000	A0
EA3C01A60002002N	20	16.1	345	1000	A4
EA3C01A60003002N	30	18.6	425	1000	A4
EA3C01A60005002N	50	23.1	594	1000	A4
EA3C01A60010002N	100	32.0	1008	1000	A8

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

EA3C01A64000502N	5	9.7	126	1000	08
EA3C01A64001002N	10	11.2	169	1000	A0
EA3C01A64002002N	20	13.3	244	1000	A0
EA3C01A64003002N	30	15.4	397	1000	A2
EA3C01A64005002N	50	18.8	551	1000	A4
EA3C01A64010002N	100	25.9	936	1000	A6

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

EA3C01A91000502N	5	11.8	170	1000	A0
EA3C01A91001002N	10	13.7	243	1000	A2
EA3C01A91002002N	20	16.9	471	1000	A4
EA3C01A91003002N	30	19.9	625	1000	A4
EA3C01A91005002N	50	24.3	907	1000	A6
EA3C01A91010002N	100	34.0	1645	1000	B0

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