

EA3COCF-Ed1

## CW 1128 / CW 1198. PET FILLED CABLES WITH STEEL WIRES ARMoured (SWA) SHEATH



Telecommunication Cable



Waterproof



UV resistant



Rodent resistant



Impact resistant



ROHS compliant

### STANDARDS

Construction: BT CW 1128 / CW 1198

### DESCRIPTION AND APPLICATION

Cables from 5 to 100 pairs with copper conductors of 0.4, 0.5, 0.60, 0.63 and 0.9 mm. Cellular PE insulation, twisted into pairs and petroleum jelly filled, stranded into units of 10 pairs with PE sheath and steel wires armour. These cables are used in distribution network, directly buried when an additional protection is needed.

### CONSTRUCTION

- **Conductors:** Annealed cooper of 0.40, 0.50, 0.60, 0.63 and 0.90 mm nominal diameter.
- **Insulation:** Cellular polyethylene.
- **Cabling elements:** Pairs.
- **Lay-up:** Up to 10 pairs into layers. Higher count cables into units of 10 pairs
- **Filling compound:** Petroleum jelly.
- **Core wrapping.** Paper tape, longitudinally applied with overlap.
- **Inner sheath:** Black polyethylene.
- **Armour:** Galvanized steel wires.
- **Outer sheath:** Low density grey PE, UV resistant.
- **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)	0,4	0,5	0,6	0,63	0,9
<i>Conductor Resistance (Ω/km)</i>					
• 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>					
• Average	56	56	42	56	59
• 99 % of values	64	64	46	64	65
<i>Capacitance unbalance (pF/500m, 800 Hz)</i>					
Pair-pair 99 %				275	

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

EA3COCF-Ed1

## CW 1128 / CW 1198. PET FILLED CABLES WITH STEEL WIRES ARMoured (SWA) SHEATH

### ARMOUR CHARACTERISTICS

Diameter range under armour (mm)		Steel wires diameter (mm)
-	12	0.9
12.1	15	1.25
15.1	40	2.0
40.1	60	2.5

### MECHANICAL CHARACTERISTICS

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

Bending radius: 15 x R<sub>cable</sub>

### DIMENSIONS AND WEIGHTS

Diameter : 0.50 mm					
Code	No. Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type

EA3COCF51000502N	5	12.4	248	1000	08
EA3COCF51001002N	10	13.5	296	1000	A0
EA3COCF51002002N	20	15.4	384	1000	A0
EA3COCF51003002N	30	17.7	572	1000	A2
EA3COCF51005002N	50	22.3	1037	1000	A4
EA3COCF51010002N	100	27.9	1529	1000	A6

Diameter : 0.60 mm					
Code	No. Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type

EA3COCF60000502N	5	15.2	332	1000	A0
EA3COCF60001002N	10	17.7	514	1000	A2
EA3COCF60002002N	20	22.5	965	1000	A4
EA3COCF60003002N	30	25.0	1152	1000	A4
EA3COCF60005002N	50	29.7	1515	1000	A6
EA3COCF60010002N	100	39.0	2324	1000	B0

Diameter : 0.63 mm					
Code	No. Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type

EA3C01A64000502N	5	13.6	288	1000	A0
EA3C01A64001002N	10	15.1	359	1000	A0
EA3C01A64002002N	20	17.9	588	1000	A2
EA3C01A64003002N	30	22.0	1022	1000	A4
EA3C01A64005002N	50	25.2	1303	1000	A4
EA3C01A64010002N	100	32.7	1997	1000	A6

Diameter : 0.90 mm					
Code	No. Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type

EA3C01A91000502N	5	15.7	372	1000	A0
EA3C01A91001002N	10	18.3	598	1000	A2
EA3C01A91002002N	20	23.3	1143	1000	A4
EA3C01A91003002N	30	26.3	1403	1000	A4
EA3C01A91005002N	50	30.9	1881	1000	A6
EA3C01A91010002N	100	41.0	3064	1000	B0

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

Page 2/2