EA3C010-Ed1

CW 1128. PET FILLED CABLES, PE SHEATH


Telecommunications Cable


Waterproof


UV resistant

ROHS compliant

STANDARDS

Construction: BT CW 1128

DESCRIPTION AND APPLICATION

Cables from 5 to 100 pairs with copper conductors of 0.4, 0.5, 0.6, 0.63 and 0.9 mm. Cellular PE insulation, twisted into pairs and PE jelly filled, stranded in units of 10 pairs with PE sheath for distribution networks. They are used as primary cables in distribution networks inside ducts or buried without pressurization.

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.
- ***Core***. Up to 10 pairs in layers. Higher count cables in units of 10 pairs.
- ***Filling compound***: Polyethylene jelly.
- ***Core wrapping***. Paper tape, longitudinally applied with overlap.
- ***Sheath***: UV resistant black polyethylene.
- ***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 (20ºC)	0,4	0,5	0.6	0,63	0,9
Conductor Resistance (Ω/km)					
• Average	143	91	63	58	28
• 99 % of values	150	96	67	60	30
Minimum insulation resistance (MΩxkm, 20ºC, 500 V)			1500		
Mutual capacitance (nF/km, 800 Hz)					
• Average	56	56	42	56	59
• 99 % of values	64	64	46	64	65
Capacitance unbalance (pF/500m, 800 Hz)					
Pair-pair 99 %			275		

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Certified Company **ISO 9001** - **ISO 14001**

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MECHANICAL CHARACTERISTICS

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

Bending radius: 12 x R_{cable}

DIMENSIONS AND WEIGHTS

Diameter : 0.5 mm

Code	No. Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA3C01051000502N	5	8.5	49	1000	08
EA3C01051001002N	10	9.6	74	1000	08
EA3C01051002002N	20	11.5	126	1000	08
EA3C01051003002N	30	13.1	175	1000	A0
EA3C01051005002N	50	15.9	275	1000	A0
EA3C01051010002N	100	21.3	518	1000	A2

Diameter : 0.60 mm

Code	No. Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA3C01060000502N	5	11.3	75	1000	08
EA3C01060001002N	10	13.1	117	1000	A0
EA3C01060002002N	20	16.1	202	1000	A0
EA3C01060003002N	30	18.6	282	1000	A2
EA3C01060005002N	50	23.1	448	1000	A4
EA3C01060010002N	100	32.0	856	1000	A6

Diameter : 0.63 mm

Code	No. Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA3C01064000502N	5	9.7	65	1000	08
EA3C01064001002N	10	11.2	107	1000	08
EA3C01064002002N	20	13.3	181	1000	A0
EA3C01064003002N	30	15.6	261	1000	A0
EA3C01064005002N	50	18.8	408	1000	A2
EA3C01064010002N	100	25.9	787	1000	A4

Diameter : 0.9 mm

Code	No. Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA3C01091000502N	5	11.8	170	1000	A0
EA3C01091001002N	10	13.7	243	1000	A2
EA3C01091002002N	20	16.9	471	1000	A4
EA3C01091003002N	30	19.9	625	1000	A4
EA3C01091005002N	50	24.3	907	1000	A6
EA3C01091010002N	100	34.0	1645	1000	B0

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