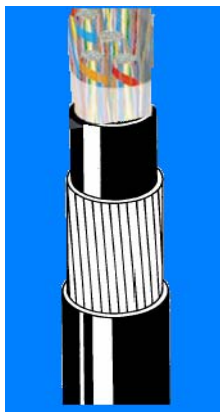


Cellular-polyethylene insulated jelly filled armoured twin cable with copper conductors made up into units, for use in the local distribution network.

## CW 1128-1198 CABLES



- Solid plain copper conductors, 0.4 / 0.5 / 0.6 / 0.63 / 0.9
- Foam PE insulation
- Insulated conductors twisted into pairs
- 10 pairs laid up in units
- Cable core filled with jelly and covered with PET tape
- Inner sheath: Black PE (see table 1)
- Steel wire Armour
- Over sheath: Black PE (or PVC is available as per purchase order)

## Identification

The colours of the insulated conductors:

Cabling Element No.	a-wire	b-wire
1	WHITE	BLUE
2	WHITE	ORANGE
3	WHITE	GREEN
4	WHITE	BROWN
5	WHITE	GREY
6	RED	BLUE
7	RED	ORANGE
8	RED	GREEN
9	RED	BROWN
10	RED	GREY

The colours of sub-unit and unit identification tape lappings:

Unit No	1	2	3	4	5	6	7	8	9	10
Colour	BLUE	ORANGE	GREEN	BROWN	GREY	WHITE	RED	BLACK	YELLOW	VIOLET

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## Electrical Characteristics:

	Conductor diameter				
	0,4	0,5	0,6	0,63	0,9
Max. Conductor resistance(at 20°C) (ohms/km), Max. Average 99% of all values	143 150	91 96	63 67	58 60	28 30
Min. Insulation resistance (at 20°C )	1500 MΩ x km				
Effective Capacitance (nF/km) Max. Average 99% of all values	56 64	56 64	42 46	56 64	59 65
Capacitance unbalance Two pair cable All other sizes	800 pF/500 m 275 pF/500 m				
Temperature range: during installation during operation	0°C to +50°C up to +70°C				
Min. bending radius	15 x outer diameter				

## Details:

Table1.

Cable size	No. And pair size of units in centre and layers											
			0.4		0.5		0.6		0.63		0.9	
	Centre	1 <sup>st</sup>	Thick ness	Dia mete r	Thick ness	Dia mete r	Thick ness	Dia mete r	Thick ness	Dia mete r	Thick ness	Dia meter
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2 Pr	1x2		-	-	-	-	1.1	8.5	1.1	8.0	1.1	9.0
5 Pr	1x5		-	-	1.1	8.0	1.2	11.0	1.1	9.5	1.2	11.5
10 Pr	1x10		1.1	8.5	1.1	9.5	1.2	13.0	1.2	11.5	1.2	14.0
	4x5											
20 Pr			1.1	10.0	1.2	12.0	1.3	16.0	1.2	14.0	1.3	18.0
	2x10											
30 Pr	3x10		1.1	11.7	1.2	13.7	1.4	21.0	1.3	16.8	1.4	21.7
	5x10											
50 Pr			1.2	14.0	1.3	16.5	1.4	24.0	1.4	20.5	1.5	26.5
	1x10	4x10										
	2x10	8x10										
100 Pr	3x10	7x10	1.3	18.5	1.4	22.0	1.6	32.0	1.5	27.5	1.7	36.0
	4x5	8x10										
150 Pr	3x50		1.4	22.2	1.5	26.2	1.7	40.6	1.6	32.6	1.8	42.3
200 Pr	4x50		1.4	25.1	1.5	29.7	1.8	46.5	1.7	37.3	1.9	48.5
300 Pr	6x50		1.4	30	1.6	36,0	-	-	-	-	2.0	59,5

Note: 1) The diameters are maximum specified diameters under the armor  
2) The thicknesses are minimum average wall thicknesses

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1	2	3	4
Specified diameters (maximum)		Nom. Diameter of armour wire	Min. avg. Thickness of oversheath
Inclusive range			
mm			
-	12	0.9	0.9
12.1	15	1.25	0.9
15.1	20	2.0	1.0
20.1	25	2.0	1.1
25.1	30	2.0	1.2
30.1	35	2.0	1.3
35.1	40	2.0	1.4
40.1	45	2.5	1.5
45.1	50	2.5	1.6
50.1	55	2.5	1.7
55.1	60	2.5	1.8
60.1	65	3.15	1.9
65.1	70	3.15	2.0
70.1	-	3.15	2.1

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