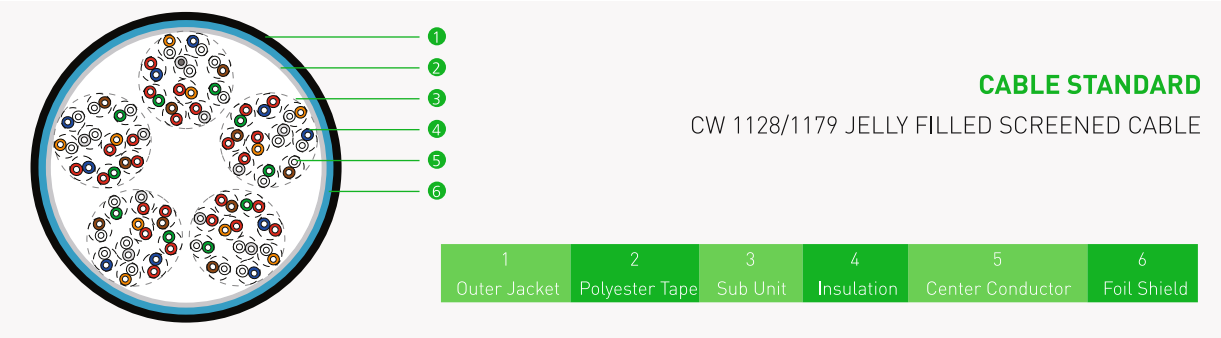


EXTERNAL TELEPHONE CABLE CW 1128/1179

HDPE INSULATION / JELLY FILLED / SCREENED - FR PE

External Telephone Cables from NORDEN are primarily designed for the interconnection of telephone equipment. In addition, these cables may be used for interconnection of other communication and control equipment or low level signaling applications.

The cables are suitable for fire resistant applications and duct laying. This fire resistant cables are having special insulation of Flame Retardant PE Outer jacket & HDPE insulation. It is specially used in oil field applications.



CABLE CONSTRUCTION

Conductor	Class 1 Solid annealed Bare Copper Conductors to BS 6360:1991/IEC 60228:2005 (Note - IEC 60228:2005 replaces BS 6360:1991)
Insulation	HDPE
Twisted Pair	Two single wires are twisted to form a Pair
Separator	Polyester Tape and Water Blocking Tape Both helically wrapped
Core Filler	Petroleum Jelly Compound
Screening	AL Tape Laminated with FR PE-Copolymer Longitudinal Wrapped
Outer Jacket	FR PE (Flame Retardant Polyethylene)
Jacket Colour	Black

PHYSICAL CHARACTERISTICS

Characteristic	Value		
	0.4 mm	0.5 mm	0.63 mm
Conductor Size	26 AWG	24 AWG	22 AWG
Nom. Insulation Thickness	0.175 mm	0.20 mm	0.26 mm
Nom. Insulated Conductor Diameter	0.75 mm	0.90 mm	1.15 mm
Min. Bending Radius	10 x D		
Operating Temperature	-20 °C to +70 °C		

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ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value		
		0.4 mm	0.5 mm	0.63 mm
Max. Conductor DC Resistant @ 20 °C	Ω/km	143	91	58
Min. Insulation Resistant @ 500 VDC	MΩ.km	1500	1500	1500
Max. Average Mutual Capacitance @ 800 Hz	nF/km	56	56	56
Max. Capacitance Unbalance @ 800 Hz (Pair to Pair)	pF/500m	275	275	275

INSULATION COLOUR CODE

Pair Colour Code			Unit Binder Colour Code	
Pair No.	Wire - A Colour	Wire - B Colour	Unit No.	Binder Tape Colour
1	White	Blue	1	Blue
2	White	Orange	2	Orange
3	White	Green	3	Green
4	White	Brown	4	Brown
5	White	Grey	5	Grey
6	Red	Blue	6	White
7	Red	Orange	7	Red
8	Red	Green	8	Black
9	Red	Brown	9	Yellow
10	Red	Grey	10	Violet

ORDERING INFORMATION

Part Number	Description	Conductor Diameter (mm)	Pair Configuration	Min. Sheath Thickness (mm)	Max. Overall Diameter (mm)
212-03015005	0.4mm 005 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.4	1 x 5P	1.1	9.0
212-03015010	0.4mm 010 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.4	1 x 10P	1.1	10.0
212-03015020	0.4mm 020 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.4	2 x 10P	1.1	11.5
212-03015030	0.4mm 030 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.4	3 x 10P	1.1	13.3
212-03015050	0.4mm 050 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.4	5 x 10P	1.2	15.5
212-03015100	0.4mm 100 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.4	10 x 10P	1.3	20.0
212-03015150	0.4mm 150 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.4	3 x 50P	1.4	23.8
212-03015200	0.4mm 200 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.4	4 x 50P	1.4	26.7
212-03025005	0.5mm 005 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.5	1 x 5P	1.1	9.5
212-03025010	0.5mm 010 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.5	1 x 10P	1.1	11.0
212-03025020	0.5mm 020 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.5	2 x 10P	1.2	13.5
212-03025030	0.5mm 030 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.5	3 x 10P	1.2	15.3
212-03025050	0.5mm 050 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.5	5 x 10P	1.3	18.0
212-03025100	0.5mm 100 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.5	10 x 10P	1.4	23.5
212-03025150	0.5mm 150 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.5	3 x 50P	1.5	27.8
212-03025200	0.5mm 200 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.5	4 x 50P	1.5	31.3

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HDPE INSULATION / JELLY FILLED / SCREENED - FR PE

Part Number	Description	Conductor Diameter (mm)	Pair Config.	Min. Sheath Thickness (mm)	Max. Overall Diameter (mm)
212-03045005	0.63 mm 005 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.63	1 x 5P	1.1	11.0
212-03045010	0.63 mm 010 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.63	1 x 10P	1.1	13.0
212-03045020	0.63 mm 020 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.63	2 x 10P	1.2	15.5
212-03045030	0.63 mm 030 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.63	3 x 10P	1.2	18.5
212-03045050	0.63 mm 050 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.63	5 x 10P	1.3	22.0
212-03045100	0.63 mm 100 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.63	10 x 10P	1.4	29.0
212-03045150	0.63 mm 150 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.63	3 x 50P	1.5	34.2
212-03045200	0.63 mm 200 Pair Jelly Filled Cable CW 1128/1179 FR PE	0.63	4 x 50P	1.6	39.0

PACKING INFORMATION

Cable	Cable Length (metre)	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
5 Pair	1000	Wooden Drum	110.0	160.0	1000 x 1000 x 750
10 Pair	1000	Wooden Drum	170.0	210.0	1000 x 1000 x 750
20 Pair	1000	Wooden Drum	230.0	290.0	1000 x 1000 x 750
30 Pair	1000	Wooden Drum	320.0	380.0	1300 x 1300 x 750
50 Pair	1000	Wooden Drum	530.0	590.0	1300 x 1300 x 750
100 Pair	1000	Wooden Drum	790.0	980.0	1600 x 1600 x 760
150 Pair	1000	Wooden Drum	1620.0	1800.0	1600 x 1600 x 900
200 Pair	1000	Wooden Drum	1950.0	2150.0	1600 x 1600 x 980