EA2F031-Ed1

CABLE POLYETHYLENE UNIT TWIN WITH MOISTURE BARRIER CW 1224/CW 1179

Telecommunication Cable | UV resistant | ROHS Compliant

STANDARDS

BT CW 1224 BT CW 1179

DESCRIPTION AND APPLICATION

Cables from 50 to 2400 pairs with copper conductors of 0.4, 0.5, 0.63 and 0.9mm. Cellular PE insulation, twisted into pairs, stranded into units of 25 pairs with moisture barrier sheath. They are used as primary cables in distribution networks inside ducts and generally pressurized.

CONSTRUCTION

- ***Conductors***: Annealed copper, 0.40, 0.50, 0.63 and 0.90 mm nominal diameters.
- ***Insulation***: Cellular polyethylene.
- ***Cabling elements***: Pairs.
- ***Core***. Stranded into units of 50 and 100 pairs.
- ***Core wrapping***. Paper tape, longitudinally applied with overlap.
- ***Cable screen***. Polyethylene coated aluminium tape, longitudinally applied with overlap and bonded to the outer PE sheath.
- ***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	0,63	0,9
Conductor Resistance (Ω/km)				
• Average	143	91	58	28
• 99 % of values	150	96	60	30
Minimum insulation resistance (MΩxkm, 20ºC, 500 V)			6500	
Mutual capacitance (nF/km, 800 Hz)				
• Average	53	53	56	59
• 99 % of values	60	60	60	64
Capacitance unbalance (pF/km, 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 +75º C

Bending radius: 12 x R_{cable}

DIMENSIONS AND WEIGHTS

Diameter : 0.4 mm

Code	No. Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA2F03141005002N	50	13.0	230	2000	A2
EA2F03141010002N	100	16.5	380	2000	A4
EA2F03141020002N	200	22.0	680	2000	A6
EA2F03141030002N	300	26.0	980	2000	A8
EA2F03141040002N	400	29.5	1275	2000	B1
EA2F03141050002N	500	32.0	1560	1000	A6
EA2F03141060002N	600	35.0	1850	1000	A8
EA2F03141080002N	800	39.5	2415	1000	B1
EA2F03141100002N	1000	43.5	2980	1000	B0
EA2F03141120002N	1200	47.0	3525	700	B0
EA2F03141160002N	1600	53.5	4645	500	B1
EA2F03141200002N	2000	59.0	5735	400	A8
EA2F03141240002N	2400	64.5	6830	350	B0

Diameter : 0.5 mm

Code	No.Pairs	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA2F03151005002N	50	15.5	315	2000	A4
EA2F03151010002N	100	19.5	545	2000	A4
EA2F03151020002N	200	26.5	1110	2000	A8
EA2F03151030002N	300	31.5	1460	2000	B0
EA2F03151040002N	400	35.5	1910	1000	A8
EA2F03151050002N	500	39.5	2350	1000	B1
EA2F03151060002N	600	42.5	2805	1000	B0
EA2F03151080002N	800	49.0	3675	700	B0
EA2F03151100002N	1000	54.0	4540	500	B1
EA2F03151120002N	1200	59.0	5395	400	A8
EA2F03151160002N	1600	67.5	7120	350	B0

Diameter : 0.63 mm

Code	No. Pairs	Cable Diam. (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA2F03164005002N	50	17.5	440	2000	A4
EA2F03164010002N	100	23.5	805	2000	A6
EA2F03164020002N	200	31.0	1505	2000	B0
EA2F03164030002N	300	37.0	2185	1000	A8
EA2F03164040002N	400	42.0	2855	1000	B0
EA2F03164050002N	500	46.5	3570	700	B0
EA2F03164060002N	600	51.0	4250	700	B0
EA2F03164080002N	800	58.5	2580	500	B1
EA2F03164100002N	1000	65.0	6905	350	B0

Diameter : 0.9 mm

Code	No.Pairs	Cable Diam. (mm)	Aprox. Weight (kg/km)	Length (m)	Drum Type
EA2F03191005002N	50	22.0	780	2000	A6
EA2F03191010002N	100	30.5	1495	2000	B0
EA2F03191020002N	200	41.0	2845	1000	B0
EA2F03191030002N	300	49.0	4205	700	B0
EA2F03191040002N	400	56.5	5550	500	B0
EA2F03191050002N	500	62.5	6885	400	B1
EA2F03191060002N	600	68.5	8115	300	B1

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