

RF400 - 75 ohm Halogen-free

TERRESTRIAL AND DIGITAL SATELLITE RECEPTION

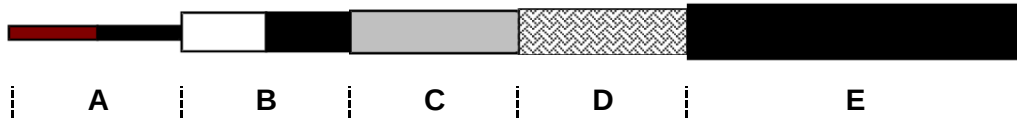
RECOMMENDED APPLICATION : UNDERGROUND LAYING DISTRIBUTION CABLE

CATEGORY

A

EN 50117

CU+PE PEG+PE LAS CS LSZH
 ø 1,65 mm ø 7,20 mm ø 7,30 mm ø 7,90 mm ø 10,10 mm



Partnumber : 56010065

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER + CARBON BLACK POLYETHYLENE	ø 1,65 mm
B	DIELECTRIC	GAS INJECTED FOAM POLYETHYLENE + CARBON BLACK PE	ø 7,20 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 27 mm
	-	COVERAGE	100%
D	BRAID	TINNED COPPER	120 x 0,15 mm
	-	COVERAGE	67%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 10,10 ± 0,18 mm
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MINIMUM BENDING RADIUS (mm)

- SINGLE ø EXTERNAL X 5
- REPEATED ø EXTERNAL X 10

TEMPERATURE RANGE -40 °C / +75 °C

CABLE WEIGHT (Kg/Km)

- COPPER 40,2
- PLASTIC 46,6
- TOTAL 90,1

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	8,2 Ohm/Km
CAPACITANCE	53 pF/m	- BRAID	8 Ohm/Km
VELOCITY RATIO	84%	TENSION	
		- SHEATH	8,0 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz 0,8	470 MHz 8,9	1500 MHz 17,4
10 MHz 1,0	600 MHz 10,2	1750 MHz 18,8
50 MHz 2,8	800 MHz 12,1	2150 MHz 21,1
100 MHz 4,0	862 MHz 12,3	2400 MHz 22,4
200 MHz 5,9	1000 MHz 13,5	2750 MHz 24,0
300 MHz 6,8	1350 MHz 16,3	3000 MHz 25,4

STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>31
470 ÷ 862	MHz	>26
862 ÷ 2150	MHz	>23
2150 ÷ 3000	MHz	>20

SCREENING EFFECTIVENESS dB EN 50117 STANDARD

TRANSFER IMPEDANCE	5 ÷ 30	MHz	<5	mOhm/m
	30 ÷ 1000	MHz	>90	dB
	1000 ÷ 2000	MHz	>80	dB
	2000 ÷ 3000	MHz	>70	dB



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