

MMHS

Symmetrical 100 Ω switching cable

Application

fixed inhouse installation

Flame resistance

Oxygen Index LOI acc. to ASTM-D-2863 no limit
 Smoke emission acc. to ASTM-D-2843 90 %
 HCL Emission acc. to IEC 754-1 > 25 %
 IEC 332-1

Construction

Conductor	tinned copper wire 0.4 mm \emptyset
Insulation	PE
stranding	2 conductors per pair
Overall shielding	Al-plastic foil + drain wire 0.4 mm \emptyset
Outer sheath	PVC, grey

Mechanical properties

Operating temperature	- 30 °C to + 70 °C
Installation temperature	- 5 °C

Electrical properties

at 20°C

Loop resistance (at 20 \pm 5 °C)	300 Ω /km
Insulation resistance (at 500 V, 1 min.)	2 G Ω *km
capacitance at 800 Hz	250 nF/km
Max. operating voltage	75 V
Impedance (at 1 MHz)	100 Ω
Frequency	attenuation (at 20 °C)
[kHz]	[dB/100 m]
10	0.6
100	1.2
1000	2.8

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Technical data

Part no.	Type	Dimension	Outer diameter mm	Standard length m	weight kg/km	Copper content
1004683- 010000DW	J-2Y(St)Y	2x2x0.4	4.5	1000	18	6.5
1006153- 010000DW	J-2Y(St)Y	4x2x0.4+0.4	5.3	1000	28	13
1004763- 010000DW	J-2Y(St)Y	8x2x0.4+0.4	6.5	1000	48	23
1004759-	J-2Y(St)Y	4x5x2x0,4+0.4	8.5	1000	88	53
1004766-	J-2Y(St)Y	8x5x2x0.4+0.4	11.5	1000	155	104
1004756-	J-2Y(St)Y	2x8x2x0.4+0.4	8.0	1000	75	43
1008990-	J-2Y(St)Y	3x8x2x0.4+0.4	8.9	1000	103	63
1004761-	J-2Y(St)Y	4x8x2x0.4+0.4	10.0	1000	128	83

[PRODUCT CODE TABLE]

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