

MMHS-HF

Symmetrical 100 Ω switching cable

Application

fixed inhouse installation, station cabling of VF signals

Flame resistance

IEC 60332-1

Construction

Conductor	Annealed tinned copper wire 0.4 mm \varnothing
Insulation	PE
stranding	2 conductors twisted into a pair (2-pair cable twisted into a star quad)
Overall shielding	Al-plastic foil + drain wire 0.4 mm \varnothing
Outer sheath	halogen free material, grey RAL 7035

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
Mutual capacitance, nominal	55 nF/km
Mutual capacitance, two pair cable (2x2x0.4)	50 nF/km
Capacitance unbalance at 800 Hz	250 pF/500m
Impedance (at 1 MHz)	100 Ω \pm 15 %
Max. operating voltage	75 V
Voltage test, 1min	
conductor/conductor	1 kV DC
conductor/screen	1.5 kV DC
Nominal attenuation	
10 kHz	0.6 dB/100
100 kHz	1.2 dB/100
1000 kHz	2.8 dB/100

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Technical data

Part no.	Type	Dimension	Outer diameter mm	Standard length m	weight kg/km	Copper content
1003552- 010000DW	J-2Y(St)H	2x2x0.4	4.5	1000	20	6.5
1003553- 010000DW	J-2Y(St)H	4x2x0.4+0.4	5.5	1000	28	13
1004773- 010000DW	J-2Y(St)H	8x2x0.4+0.4	6.8	1000	49	23
1004768- 010000DW	J-2Y(St)H	2x5x2x0.4+0.4	7.5	1000	57	28
1004771- 010000DW	J-2Y(St)H	4x5x2x0.4+0.4	8.8	1000	85	53
1004774- 010000DW	J-2Y(St)H	8x5x2x0.4+0.4	11.8	1000	150	104
101xxx- 005000DY	J-2Y(St)H	10x5x2x0.4+0.4	11.5	500	179	129
1004769- 010000DW	J-2Y(St)H	2x8x2x0.4+0.4	8.3	1000	78	43
1004770- 010000DW	J-2Y(St)H	3x8x2x0.4+0.4	9.5	1000	98	63
1004772- 010000DW	J-2Y(St)H	4x8x2x0.4+0.4	10.3	1000	125	83
101xxx- 005000DY	J-2Y(St)H	6x8x2x0.4+0.4	11.4	500	173	124

[PRODUCT CODE TABLE]

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