

Symmetric pair cables

Minimum bending radius	During installation	During operation	Maximum pulling force	Minimum installation temperature °C	Velocity factor
Outdoor cables					
VMOHBU-TL	15xD	7xD	*)	-20	0.67
VMOHBUK-TL	15xD	7xD	*)	-20	0.67
VMOPU	20xD	10xD	*)	-10	0.67
MU	15xD	7xD	*)	-20	0.66
MHBU	15xD	7xD	*)	-20	0.66
Indoor cables					
MHS, MHS-LSZH	15xD	7xD	*)	-5	0.66
RKKN	1.5xd	1xd	*)	-20	
MMHS-HF	15xD	7xD	*)	-5	0.66
KLVMAAM-LSZH	15xD	7xD	*)	-5	0.66

D= outer diameter of the cable

d=outer diameter of the conductor

*) Maximum pulling force for separate components

Copper conductors 50 N/mm

Suspension wire 900 N/mm

PE sheath 9 N/mm

ATTENUATION

Frequency kHz	NOMINAL ATTENUATION dB/km VMOHBU -TL, VMOHBUK-TL, VMOPU			MHS	MMHS
	0.5 mm	0.6 mm	0.8 mm	0.5 mm	0.4 mm
0.8	1.0	0.8	0.6	1.4	1.8
10	3.0	2.4	1.9	4.3	5.8
100	6.1	4.6	3.1	8.2	13.3
1000	16.0	13.0	10.0	26.0	28.0

CROSS TALK ATTENUATION

Freq. MHz	CROSS TALK ATTENUATION VMOHBU-TL, VMOHBUK-TL, VMOPU			
	Min. NEXT dB	Min. PS NEXT dB	Min. ELFEXT dB/km	Min. PS ELFEXT dB/km
1	48	44	42	38

LOOP RESISTANCE

Copper-clad steel wires	
Halkaisija mm	ohm/km
0.8	168
1.0	106
Copper conductors	
Halkaisija mm	ohm/km
0.5	184
0.6	128
0.8	71

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