

Micro-bundle cable – 48 to 144 fibers

Basic characteristic

- ▲ Indoor cable for the installation in Data Centers
- ▲ Suitable for assembly with fiber dividers (DURALINO) or multifiber connectors (MTP) and for splice cassettes
- ▲ Loose tubes around a central glass fiber (GFR) strength member
- ▲ Strain relief elements (aramid) stranded in two layers (left and right spin)



Colour coding

- ▲ Colour code fibers: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
- ▲ Colour code tube: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise

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Cable parameters

Jacket material		FRNC
Cable construction		Micro-bundle cable
Outer diameter	48 fibers:	approx. 5,7mm x 0,5mm
	72 fibers:	approx. 6,3mm x 0,5mm
	96 fibers:	approx. 7,5mm x 0,6mm
	144 fibers:	approx. 8,9mm x 0,6mm
Weight	48 fibers:	30 kg/km
	72 fibers:	36 kg/km
	96 fibers:	48 kg/km
	144 fibers:	66 kg/km
Fire load	48 fibers:	1,51 MJ/m
	72 fibers:	1,80 MJ/m
	96 fibers:	2,67 MJ/m
	144 fibers:	3,47 MJ/m
Fiber type	SM:	OS2 - Corning® SMF-28®
	MM:	OM3 - Corning® ClearCurve®
		OM4 - Corning® ClearCurve®
		OM5 - Corning® ClearCurve®
Temperature range	operation:	-10°C to +70°C
	storage:	-25°C to +70°C
	installation:	-5°C to +50°C

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Chemical characteristics

No resistance to oil, petrol, acid and leach

Mechanical characteristics

Min. bending radius fixed (static) acc. IEC 60794-1-2 E11A	10 x outside diameter
Min. bending radius during assembly (dynamic) acc. IEC 60794-1-2 E6	15 x outside diameter
Max. tensile force acc. IEC 60794-1-2 E1	800 N
Max. crush resistance acc. IEC 60794-1-2 E3, long term	600 N/dm
Max. crush resistance acc. IEC 60794-1-2 E3, short term	2000 N/dm
Impact resistance acc. IEC 60794-1-2 E4	3 impacts, 1 Nm, R=300mm

Fire performance

Cable is flame retardant	acc. to IEC 60332-1-2
Cable is flame retardant	acc. to IEC 60332-3-22 Cat.A
Smoke density	acc. to IEC 61034
Halogen-free	acc. to IEC 60754-1
Acidity of the combustion gases	acc. to IEC 60754-2

Construction Products Regulation

Fibers	Fire Class
48/72/96/144	C _{ca} -s1a, d1, a1

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Ordering code	Inkjet print	Jacket colour
MB-48-OS2-5.7-YE	LSZH Cca s1a d1 a1 48 x 9/125 OS2 (length in meters), (Reel No.)	Yellow
MB-48-OM3-5.7-AQ	LSZH Cca s1a d1 a1 48 x 50/125 OM3 (length in meters), (Reel No.)	Aqua
MB-48-OM4-5.7-HV	LSZH Cca s1a d1 a1 48 x 50/125 OM4 (length in meters), (Reel No.)	Heather Violet
MB-48-OM5-5.7-LG	LSZH Cca s1a d1 a1 48 x 50/125 OM5 (length in meters), (Reel No.)	Lime Green
MB-72-OS2-6.3-YE	LSZH Cca s1a d1 a1 72 x 9/125 OS2 (length in meters), (Reel No.)	Yellow
MB-72-OM3-6.3-AQ	LSZH Cca s1a d1 a1 72 x 50/125 OM3 (length in meters), (Reel No.)	Aqua
MB-72-OM4-6.3-HV	LSZH Cca s1a d1 a1 72 x 50/125 OM4 (length in meters), (Reel No.)	Heather Violet
MB-72-OM5-6.3-LG	LSZH Cca s1a d1 a1 72 x 50/125 OM5 (length in meters), (Reel No.)	Lime Green
MB-96-OS2-7.5-YE	LSZH Cca s1a d1 a1 96 x 9/125 OS2 (length in meters), (Reel No.)	Yellow
MB-96-OM3-7.5-AQ	LSZH Cca s1a d1 a1 96 x 50/125 OM3 (length in meters), (Reel No.)	Aqua
MB-96-OM4-7.5-HV	LSZH Cca s1a d1 a1 96 x 50/125 OM4 (length in meters), (Reel No.)	Heather Violet
MB-96-OM5-7.5-LG	LSZH Cca s1a d1 a1 96 x 50/125 OM5 (length in meters), (Reel No.)	Lime Green
MB-144-OS2-8.9-YE	LSZH Cca s1a d1 a1 144 x 9/125 OS2 (length in meters), (Reel No.)	Yellow
MB-144-OM3-8.9-AQ	LSZH Cca s1a d1 a1 144 x 50/125 OM3 (length in meters), (Reel No.)	Aqua
MB-144-OM4-8.9-HV	LSZH Cca s1a d1 a1 144 x 50/125 OM4 (length in meters), (Reel No.)	Heather Violet
MB-144-OM5-8.9-LG	LSZH Cca s1a d1 a1 144 x 50/125 OM5 (length in meters), (Reel No.)	Lime Green

* Specifications are subject to change without notice

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