Fibre optic cables for MOL systems

We propose a full range of fibre optic cable assemblies of various lengths to be used with montena MOL25T, MOL500T, MOL2000T and MOL3000 optical link systems. Two types of cables are available: standard and rugged versions. The standard versions are suitable for indoor and for laboratory operations. It may also be used outdoor for non-permanent applications. The rugged versions are strong and lightweight optical cables designed for indoor and outdoor applications in a harsh testing environment. All lengths exceeding 10 meters are delivered on a reel.

Product	FOR MOL25T, MOL500T & MOL3000 FIBRE OPTIC LINKS		FOR MOL2000T FIBRE OPTIC LINKS	
	FCLBxxx	**FCLBxxxRU**	**FO2Cxxx**	**FO2CxxxRU**
Standard / rugged	standard	rugged	dual fibre	rugged dual fibre
Fibre type (µm)	singlemode 9/125	singlemode 9/125	-singlemode 9/125 -multimode 62.5/125	-singlemode 9/125 -multimode 62.5/125
Optical connectors	FC/APC	FC/APC	FC/APC and ST	FC/APC and ST
Outer jacket diameter (mm)	2.8	7.5	3.5 x 6.2	7.5
Outer jacket material	low smoke free halogen	low smoke free halogen	low smoke free halogen	low smoke free halogen
Thread of cable sleeve termination	n/a	fine thread MF 16 x 1,0	n/a	fine thread MF 16 x 1,0
Installation tensile load (N)	150	2000	600	2000
Min. install. bending radius (mm) during installation / in-service	40 / 30	40 / 25	50 / 30	40 / 25
Crush resistance (N/cm) Short term / permanent	1000 / 100	600 / 200	1000 / 100	600 / 200
Impact resistance (Nbr. impacts)	n/a	200, for Ip = 2.2 J	40, for Ip = 0.74 J	200, for Ip = 2.2 J
Maximum cable attenuation (dB/km)	0.4	0.4	singlemode fibre: 0.4 multimode fibre: 3.5	singlemode fibre: 0.4 multimode fibre: 3.5
Operating temperature (°C)	- 10 to + 70	- 40 to + 70	- 20 to + 70	- 40 to + 70
Sheath colour(s)	yellow	yellow	yellow and orange	yellow and orange
Weight (kg/km)	7	59	24.2	59
Standard lengths (m)	xxx = the cable length in meters available lengths: 10, 20, 50, 100, 200, 500, 1000			

Ordering information

Reel of rugged fibre cable

TYPE	DESCRIPTION
FCLBxxx	standard fibre optic cable for MOL25T, MOL500T and MOL3000
FCLBxxxRU	rugged fibre optic cable for MOL25T, MOL500T and MOL3000
FO2Cxxx	dual fibre optic cable for one MOL2000T
FO2CxxxRU	rugged dual fibre optic cable for one MOL2000T

xxx = the cable length in meters