



Application

This fire resistant cable (according to IEC 60332-3 and IEC 60331-25 90 mn) is suitable for installation in small size ducts and for direct burial where water or rodents may be present and freezing may occur.

Mechanical properties / dimensions

Nb of fibers	Weight [kg/km]	Tube Ø [mm]	External Ø [mm]
Nb ≤ 12	180	3.3	10.5
Nb ≤ 24	220	4.5	12.0

Environment properties

Fire resistant	IEC 60332-3 IEC60331-25 (90 min)
Halogen rate	IEC 60754-1
Toxicity of gases	IEC 60754-2
Using temp	-25° à + 70°C
Storage temp.	-40° à +70°C

MECHANICAL TEST	Characteristics
Max. pulling load	6000 N
Max. operating load	4500N
Minimum bending radius	150 mm
Max. compressing load	5000 N
Flexing cycles (mandrel Ø250 mm)	25 cycles, ±90°

Fibre N°	Couleur	Fibre N°	Couleur	Fibre N°	Couleur
1	Blue	5	Grey	9	Yellow
2	Orange	6	White	10	Violet
3	Green	7	Red	11	Pink
4	Brown	8	Black	12	Turquoise

Technical characteristics of single mode and multimode fibers are detailed in a specific document (mmc fo characteristics.pdf) which can be downloaded from our website . www.multimedia-connect.fr download /technical data sheets / Fiber Optic Cables.