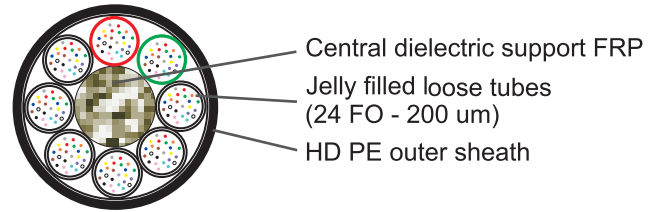
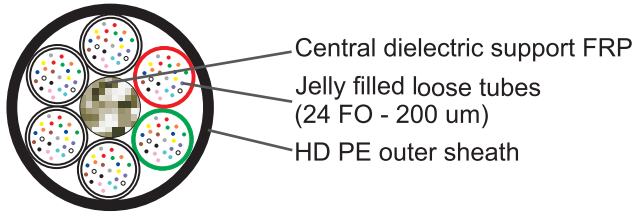


MICRO-CABLES with 200 um FIBERS

144 fiber

192 fiber



GENERAL CHARACTERISTICS

		VALUE	
Fibers in the cable	N°	144	192
Loose tubes in the cable	N°	6 tubes with 24 FO	8 tubes with 24 FO
Nominal diameter	mm	6,3	7,5
Nominal weight	kg/km	40	60

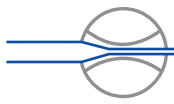
LOOSE TUBES & FIBERS COLOUR

	COLOUR
PILOT	Red
DIRECTIONAL	Green
OTHERS	White

N° FIBER	COLOUR	N° FIBER	COLOUR	N° FIBER	COLOUR
1	Red	5	Blue	9	White
2	Green	6	Purple	10	Aqua
3	Yellow	7	Black	11	Pink
4	Brown	8	Orange	12	Grey

FIBERS N°13-24: as above + black ring, exception black colour + white ring











MICRO-CABLES with 200 um FIBERS

N° FIBERS	N° LOOSE TUBES	Nom. diameter	Tube of employ
12	6 tubes – 1x12 FO + 5 fillers	5,3 mm	10/8 - 12/10
24	6 tubes – 2x12 FO + 4 fillers	5,3 mm	10/8 - 12/10
36	6 tubes – 3x12 FO + 3 fillers	5,3 mm	10/8 - 12/10
48	6 tubes – 4x12 FO + 2 fillers	5,3 mm	10/8 - 12/10
60	6 tubes – 5x12 FO + 1 filler	5,3 mm	10/8 - 12/10
72	6 tubes – 6x12 FO	5,3 mm	10/8 - 12/10
96	8 tubes – 8x12 FO	6,5 mm	10/8 - 12/10
120	6 tubes – 5x24 FO + 1 filler	6,3 mm	10/8 - 12/10
144	6 tubes – 6x24 FO	6,3 mm	10/8 - 12/10
192	8 tubes – 8x24 FO	7,5 mm	12/10 - 15/12

CABLE PERFORMANCES

TEST	NORMS of REFERENCE	NOMINAL VALUE	
 Minimum bending radius	IEC 60794-1-2 - E11	under max. tension	20 x outer diameter
		without tension	15 x outer diameter
 Tensile test	IEC 60794-1-2 - E1	installation (temporary)	144:500 N 192: 1000 N
		operative (permanent)	144: 200 N 192: 400 N
 Impact test	IEC 60794-1-2 - E4	Energy: 3 J N° impact: 3	Max. att. increase <0,05 dB (reversible)
 Crush test	IEC 60794-1-2 - E3	1000 N/10 cm	Max. att. increase <0,05 dB (reversible)
 Temperature cycling	IEC 60794-1-2- F1	operating	-30°C / +60°C
		transport&storage	-40°C / +70°C
		installation	-15°C / +60°C
 Water penetration	IEC 60794-1-2- F5	3 m cable; 1 m water column x 24 h	no leakage

