

DESCRIPTION

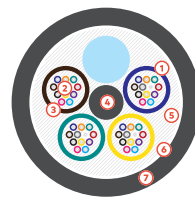
- For indoor and outdoor installations.
- Mostly used in building and campus backbone applications.
- With a degree of rodent protection, effective in many cases.

APPLICABLE STANDARDS

- ISO/IEC 11801; • EN 50173-1; • EN50575; • IEC 60794-2;
- IEC 60332-1-[1,2]; • IEC 60754-[1,2]; • IEC 61034-[1,2];
- ANSI/TIA-568-C; • ITU G652; • ITU G657.



Demonstrative cable of 48 fibers.



- 1 Loose Tube;
- 2 Colored Coating Fiber;
- 3 Filling Gel;
- 4 Central Strength Member;
- 5 Waterproof tape;
- 6 Glass Yarns;
- 7 Outer Jacket.



CABLE PROPERTIES

Coating Fiber	Color	1 - red
		2 - green
		3 - blue
		4 - yellow
		5 - white
		6 - grey
		7 - brown
		8 - violet
		9 - turquoise
		10 - black
		11 - orange
		12 - pink
Loose Tube	Dimension (mm)	2,3
	Diameter (mm)	2,5
Central Strength Member	Material	FRP
	Material	1,5mm; Halogen free, UV stabilised
Sheath	Color	Black
	Marking	(code) barpa FO Multi w Glass (CPR class) (fiber type) (No of fibers)F (batch no.) Made in EU (meters)m
Water blocking		Swellable tape and tread

MECHANICAL AND ENVIRONMENTAL PROPERTIES

		Limites CPR Eca		Limites CPR Dca	
		48F	96F	48F	96F
Tensile Strength (Long Term)	N	3500	3500	2500	2500
Tensile Strength (Short Term - Installation)	N	5000	5000	5000	5000
Impact	N	20	20	20	20
Torsion	N	5 cycles ± 1 turn	5 cycles ± 1 turn	5 cycles ± 1 turn	5 cycles ± 1 turn
Crush	N/10cm	3000	3000	2500	2500
Min. Bend radius (installation)	mm	230	260	224	256
Min. Bend radius (permanent)	mm	115	130	112	128
Installation Temperature	°C	-40 to +70	-40 to +70	-40 to +70	-40 to +70
Operation Temperature	°C	-40 to +70	-40 to +70	-40 to +70	-40 to +70
Storage Temperature	°C	-40 to +70	-40 to +70	-40 to +70	-40 to +70
Water Penetration		No water on free end		No water on free end	
Heat of combustion	MJ/km	1100	1100	1100	1100
Cable Diameter	mm	11,5	13	11,2	12,8
Nominal Cable Weight	kg/km	105	165	127	167

ORDER INFORMATION

	Number of Fibers	
	48	96
OM3	81111205548	81111205596
OM4	81111205648	81111205696
OS2 G652D	81111205148	81111205196
OS2 G657A2	81111205248	81111205296



This product is developed and produced in Europe.



To order in Dca-s2, d2, a1 add to the code "D1" at the end of the code.
Without any CPR add to the code "S" at the end of the code. Available in different CPR class.
Please specify in your request.



As part of our goal to achieve quality excellence, our barpa System Warranty can give you 25 years products and solution assurance of compliance with the industry performance standard comparing with the class installed. This warranty applies to network infrastructure installations that was made by an approved barpa partner using an barpa solution (end-to-end). For more informations go to our website.