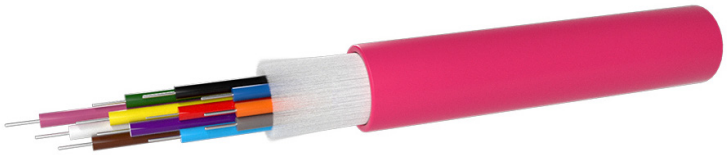
TIGHT BUFFER - DISTRIBUTION CABLE OR MINI BREAKOUT
GLASS YARN DIELECTRIC ARMOURING LSZH CCA

DESCRIPTION

barpa Fiber Optic Distribution Cables are designed for use in structured cabling systems, supporting horizontal distribution and building backbone applications. Optimized for environments such as data centers, LANs, and SANs, featuring an easy-to-strip tight buffer construction that facilitates rapid termination and installation. Suitable for indoor and outdoor deployment, ensuring consistent performance across extended backbone routes with guaranteed mechanical protection while maintaining flexibility.



1. Outer Jacket
2. Tight-buffered
3. Strength Member
4. Filling Powder
5. 2 Water-swellable Yarns
6. Ripcord

APPLICABLE STANDARDS

• ISO/IEC 11801 • EN 50173-1 • EN50575 • IEC 60794-2-20
• IEC 60332-1-2 • IEC 61034-[1,2] • EN 50399 • ANSI/TIA-598-D
• ITU G652 • ITU G657 • IEC 60793-2-50 • IEC 60793-2-10
• IEC 60794-1-21 • IEC 60794-1-22

CABLE PROPERTIES

Coating Fiber	Color	1 - blue	13 - blue with mark every 30mm
		2 - orange	14 - orange with mark every 30mm
		3 - green	15 - green with mark every 30mm
		4 - brown	16 - brown with mark every 30mm
		5 - grey	17 - grey with mark every 30mm
		6 - white	18 - white with mark every 30mm
		7 - red	19 - red with mark every 30mm
		8 - black	20 - black with mark every 30mm
		9 - yellow	21 - yellow with mark every 30mm
		10 - violet	22 - violet with mark every 30mm
		11 - pink	23 - pink with mark every 30mm
		12 - aqua	24 - aqua with mark every 30mm
Water Blocking Element		Water-swellable Yarn	
Strength member	Material	Glass Yarns as strength members and rodent protection	
Sheath	Material	Halogen free, flame retardant, UV stabilised	
	Cor	OM3 - aqua; OM4 - purple; OS2 - yellow	
	Marking	(code) barpa FO Distribution w Glass Yarn (CPR class) (fiber type) (No of fibers)F (batch no.) (meters)m	
VDE 888		U-VQ(ZN)H	
Ripcord		Yes	

More information: info@barpa.eu or in www.barpa.eu

datasheet nº b165_0 | date: 07/25
approved by: Ana Barbosa

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MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

		Nº. Fibers					Method IEC 60794-1-21/22
Cca Limits		2	4	8	12	24	
Tensile Strength (Long Term)	N	500	500	500	500	500	E1
Tensile Strength (Short Term - Installation)	N	600	1000	1000	1000	1200	E1
Impact	J	2,2	2,2	2,2	4,4	4,4	E4
Torsion	-	5 cycles ± 180º					E7
Crush	N/10cm	1000	1000	1000	1000	1000	E3
Min. Bend radius (permanent - unloaded)	-	10 x cable Ø					E11
Installation Temperature	ºC	-30 to +60					F1
Operation Temperature	ºC	-40 to +70					F1
Storage Temperature	ºC	-40 to +70					F1
Cable Diameter	mm	5,1	5,5	6,5	7,4	8,8	-
Nominal Cable Weight	kg/km	31	35	49	59	82	-

ORDER INFORMATION

	Number of Fibers				
	2	4	8	12	24
OS2 G652D	81112124102C1	81112124104C1	81112124108C1	81112124112C1	81112124124C1
OS2 G657A2	81112124202C1	81112124204C1	81112124208C1	81112124212C1	81112124224C1
OM3	81114124502C1	81114124504C1	81114124508C1	81114124512C1	81114124524C1
OM4	81115124602C1	81115124604C1	81115124608C1	81115124612C1	81115124624C1

25 YEARS WARRANTY

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.

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