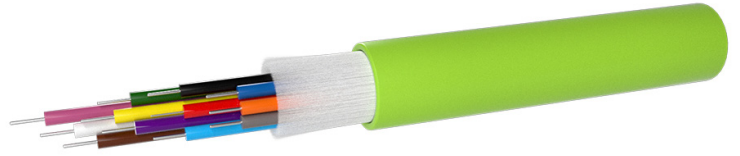




## TIGHT BUFFER - DISTRIBUTION CABLE OR MINI BREAKOUT GLASS YARN DIELECTRIC ARMOURING

### DESCRIPTION

The barpa Distribution Cables are perfect for building backbones and horizontal distribution applications. To use in structured cabling installations: data centers, LANs, SANs and longer length backbones. Easy strippable tight buffer. For indoor and/or outdoor.



### APPLICABLE STANDARDS

- ISO/IEC 11801 • EN 50173-1 • EN50575 • IEC 60794-2-20
- IEC 60332-1-2 • IEC 60332-3-24 • IEC 61034-[1,2]
- EN 50399 • ANSI/TIA-568-C • ITU G652 • ITU G657
- IEC 60793-2-50 • IEC 60793-2-10 • IEC 60794-1-21
- IEC 60794-1-22



- ① Outer Jacket
- ② Tight-buffered
- ③ Strength Member



### CABLE PROPERTIES

Coating Fiber	Color	1 - red	1 - red with mark every 70mm
		2 - green	2 - green with mark every 70mm
		3 - blue	3 - blue with mark every 70mm
		4 - yellow	4 - yellow with mark every 70mm
		5 - white	5 - white with mark every 70mm
		6 - grey	6 - grey with mark every 70mm
		7 - brown	7 - brown with mark every 70mm
		8 - violet	8 - violet with mark every 70mm
		9 - turquoise	9 - turquoise with mark every 70mm
		10 - black	10 - black with mark every 35mm
		11 - orange	11 - orange with mark every 70mm
		12 - pink	12 - pink with mark every 70mm
Water blocking (Only in Dca)		Swealable tape	
Strength member	Material	Glass Yarns as strength members and rodent protection	
Sheath	Material	Halogen free, flame retardant, UV stabilised	
	Cor	OM2 - orange; OM3 - aqua; OM4 - purple; OM5 - lime green OS2 - yellow.	
	Marking	(code) barpa FO Distribution w Glass (CPR class) (fiber type) (No of fibers)F (batch no.) Made in EU (meters)m	
VDE 888		U-VQ(ZN)H	



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

**MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS**

		Nº. Fibers					Method
		2	4	8	12	24	IEC 60794-1-21/22
<b>Dca Limits</b>							
Tensile Strength (Long Term)	N	160	220	340	450	700	E1
Tensile Strength (Short Term - Installation)	N	325	440	680	900	1400	E1
Impact	J	10	10	10	10	10	E4
Torsion		5 cycles ± 1 turn					E7
Crush	N/10cm	2000	2000	2000	2000	2000	E3
Min. Bend radius (permanent - unloaded)	mm	50	50	50	50	60	E11
Installation Temperature	°C	-20 to +60					F1
Operation Temperature	°C	-40 to +70					F1
Storage Temperature	°C	-40 to +70					F1
Water Penetration		No water on free end					F5C
Cable Diameter	mm	4,6	5,2	6	7	8,5	-
Nominal Cable Weight	kg/km	19	27	36	48	73	-
<b>Cca Limits</b>							
Tensile Strength (Long Term)	N	280	280	280	340	400	E1
Tensile Strength (Short Term - Installation)	N	560	560	560	680	800	E1
Impact	J	20	20	20	20	20	E4
Torsion		5 cycles ± 1 turn					E7
Crush	N/10cm	3000	3000	3000	3000	3000	E3
Min. Bend radius (permanent - unloaded)	mm	53	57	68	78	86	E11
Installation Temperature	°C	-20 to +70					F1
Operation Temperature	°C	-20 to +70					F1
Storage Temperature	°C	-40 to +70					F1
Water Penetration		No water on free end					F5C
Cable Diameter	mm	5,3	5,7	6,8	7,2	8,6	-
Nominal Cable Weight	kg/km	35	35	35	80	80	-
<b>B2ca Limits</b>							
Tensile Strength (Long Term)	N	500	500	500	500	800	E1
Tensile Strength (Short Term - Installation)	N	1500	1500	1500	1500	2400	E1
Impact	J	10	10	10	10	10	E4
Torsion		5 cycles ± 1 turn					E7
Crush	N/10cm	1000	1000	1000	1000	1000	E3
Min. Bend radius (permanent - unloaded)	mm	60	60	66	82	95	E11
Installation Temperature	°C	-20 to +60					F1
Operation Temperature	°C	-20 to +60					F1
Storage Temperature	°C	-30 to +60					F1
Water Penetration		No water on free end					F5C
Cable Diameter	mm	6,0	6,0	6,6	8,2	9,5	-
Nominal Cable Weight	kg/km	43	46	59	72	99	-

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More information: [info@barpa.eu](mailto:info@barpa.eu) or in [www.barpa.eu](http://www.barpa.eu)



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

### ORDER INFORMATION

	Number of Fibers				
	2	4	8	12	24
OM3	81114101502	81114101504	81114101508	81114101512	81114101524
OM4	81115101602	81115101604	81115101608	81115101612	81115101624
OS2 G652D	81112101102	81112101104	81112101108	81112101112	81112101124
OS2 G657A2	81112101202	81112101204	81112101208	81112101212	81112101224
OM5	81117301702	81117101704	81117301708	81117101712	81117301724

EU

This product is developed and produced in Europe.

CPR

To order in Dca-s2, d2, a1 add to the code "D1" at the end of the code. To order in Cca add to the code "C1" at the end of the code.  
To order in B2ca,s1a-d1-a1 add to the code "B1" at the end.  
Without any CPR add to the code "S" at the end of the code. Available in different CPR class.  
Please specify in your request.

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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**datasheet n° b40\_5 | date: 01/25**  
approved by: Ana Barbosa