



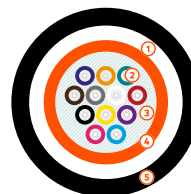
## LOOSE TUBE UNITUBE CABLE GLASS YARN DIELECTRIC ARMOURING

### DESCRIPTION

- For indoor and limited 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; • IEC 60793-2-50;
- IEC 60793-2-10; • IEC 60794-1-21; • IEC 60794-1-22.



- ① Strength Member;
- ② Colored Coating Fiber;
- ③ Filling Gel;
- ④ Loose Tube;
- ⑤ Outer Jacket.



RODENT  
PROTECTION



Cca  
Dca  
Eca



INDOOR



OUTDOOR



CONDUCT



CABLE  
TRAY



FLAME  
RETARDANT



25  
YEARS  
WARRANTY

### 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 - white with mark every 35mm
		11 - orange	11 - orange with mark every 70mm
		12 - pink	12 - pink with mark every 70mm
Loose Tube	Dimension (mm)	2,8	
Strenght member	Material	Water-blocked Glass Yarns	
Sheath	Material	1,5mm; Halogen free, flame retardant, UV stabilised	
	Color	Black	
	Marking	(code) barpa FO Uni w Glass (CPR class) (fiber type) (No of fibers)F (batch no.) Made in EU (meters) m	
VDE 888		U-DQ(ZN)BH	



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### MECHANICAL AND ENVIRONMENT PROPERTIES

		Limits CPR Cca	Limits CPR Dca	Limits CPR Eca	Method IEC 60794-1-21/22
Tensile Strength (Long Term)	N	1000	1000	700	E1
Tensile Strength (Short Term - Installation)	N	<b>3000</b>	<b>3000</b>	<b>1000</b>	E1
Impact	J		20		E4
Torsion	-		5 cycles ± 1 turn		E7
Crush	N/10cm	<b>3000</b>	<b>3500</b>	<b>2000</b>	E3
Min. Bend radius (installation)	mm	150	146	100	-
Min. Bend radius (permanent)	mm	75	73	60	E11
Installation Temperature	°C	-15 to +60	-15 to +60	-15 to +40	F1
Operation Temperature	°C	-40 to +70	-30 to +70	-30 to +70	F1
Storage Temperature	°C	-30 to +60	-30 to +60	-40 to +60	F1
Water Penetration			No water on free end		F5B
Heat of combustion	MJ/km	1273	1373	1100	-
Cable Diameter	mm	7,5	7,3	2 - 16 fibers: 7,5 24 fibers: 8,0	-
Nominal Cable Weight	kg/km	73	64,5	2 - 16 fibers: 55 24 fibers: 60	-

### ORDER INFORMATION

	Number of Fibers					
	2	4	6	8	12	24
OM2	81111211402	81111211404	81111211406	81111211408	81111211412	81111211424
OM3	81111211502	81111211504	81111211506	81111211508	81111211512	81111211524
OM4	81111211602	81111211604	81111211606	81111211608	81111211612	81111211624
OS2 G652D	81111211102	81111211104	81111211106	81111211108	81111211112	81111211124
OS2 G657A2	81111211202	81111211204	81111211206	81111211208	81111211212	81111211224



This product is developed and produced in Europe.



To order in Cca-s1a,d1,a1 add "C1" at the end of code.  
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.