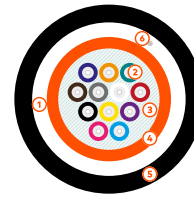




**LOOSE TUBE UNITUBE CABLE GLASS YARNS
DIELECTRIC ARMOURING 1200N LSZH**

DESCRIPTION

Indoor, outdoor and duct type applications. Easy and fast installation due to its small diameter and light construction. Suitable for pushing, blowing method. Problem-free use in power lines due to its nonmetallic construction. In network systems, MAN, WAN, LAN applications. Rodent protection.



- ① Strength Member
- ② Colored Coating Fiber
- ③ Filling Gel
- ④ Loose Tube
- ⑤ Outer Jacket
- ⑥ Rip-Cord

APPLICABLE STANDARDS

- ISO/IEC 11801; • EN 50173-1; • EN50575; • IEC 60794-2;
- IEC 60332-1-2; • IEC 60754-[1,2]; • IEC 61034-2;
- ANSI/TIA-568-C; • ITU G652; • ITU G657; • IEC 60793-2-50;
- IEC 60793-2-10; • IEC 60794-1-21; • IEC 60794-1-22.



CABLE PROPERTIES

Coating Fiber	Color	1 - Blue	13 - Blue
		2 - Orange	14 - Orange
		3 - Green	15 - Green
		4 - Brown	16 - Brown
		5 - Gray	17 - Gray
		6 - White	18 - White
		7 - Red	19 - Red
		8 - Black	20 - Black
		9 - Yellow	21 - Yellow
		10 - Violet	22 - Violet
		11 - Pink	23 - Pink
		12 - Aqua	24 - Aqua
Each set of 12 fibers is grouped into a bundle			
Strenght member	Material	Waterblocked Glass Yarns	
	Material	Halogen free; UV stabilized	
	Color	Black	
Outer Sheath	Core Count		
	Dimension (mm)	2, 4, 6, 8, 12 fibers	24 fibers
		7,1	8,0
	Marking	(code) barpa FO Unitube w Glass Yarn TS12 (CPR class) (fiber category) (No of fibers)F (batch no.) (meters)m	
Ripcord		Yes	
VDE 888		U-DQ(ZN)H	

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



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MECHANICAL AND ENVIRONMENT PROPERTIES

		Limits CPR Dca-s2, d1, a1	Method IEC 60794-1-2
Maximum Installation Tensile Strength	N	1.0 x W(N), min. 1200	E1
Maximum Operation Tensile Strength	N	0.5 x W(N), min. 600	E1
Torsion		1m 100N, +/- 180°, 10 cycles	E7
Crush	N/10 cm	1500	E3
Impact	Nm	10	E4
Min. Bend Radius (installation)		20 x cable Ø	-
Min. Bend Radius (permanent)		15 x cable Ø	-
Installation Temperature	°C	-10 to +60	F1
Operation Temperature	°C	-20 to +70	F1
Storage Temperature	°C	-25 to +70	F1
Water Penetration		No water on free end	F5B

ORDER INFORMATION

	Number of Fibers					
	2	4	6	8	12	24
OM3	81111222502D1	81111222504D1	81111222506D1	81111222508D1	81111222512D1	81111222524D1
OM4	81111222602D1	81111222604D1	81111222606D1	81111222608D1	81111222612D1	81111222624D1
OS2 G652D	81111222102D1	81111222104D1	81111222106D1	81111222108D1	81111222112D1	81111222124D1
OS2 G657A2	81111222202D1	81111222204D1	81111222206D1	81111222208D1	81111222212D1	81111222224D1

PACKAGING AND DELIVERY LENGTHS

Packaging	Wooden drum with protection
Delivery Lengths	2000 m* ± %5 tolerance

* Delivery length can be tailored under requests of the client.



For different CPR levels 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.

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approved by: Ana Barbosa