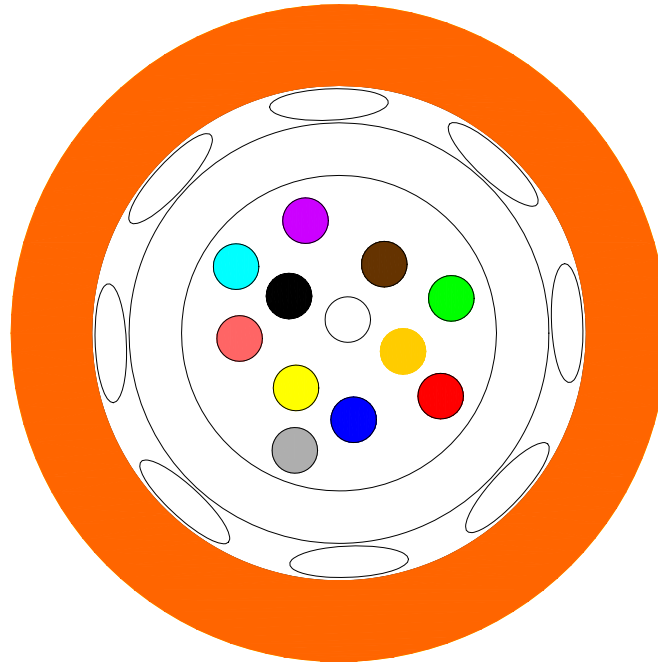


**Description : UNITUBE LOOSE WITH DIELECTRIC PROTECTION QXAI**



**OPTICAL CORE**

			<i>u/m</i>
Colour of fibres	1 – Natural 2 – Red 3 – Green 4 – Yellow 5 – Brown 6 – Blue 7 – Violet 8 – Orange 9 – Grey 10 – White 11 – Black 12 – Pink	13- Turquoise 14 – Red (with black ring) 15 – Green (with black ring) 16 – Yellow (with black ring) 17 – Brown (with black ring) 18 – Blue (with black ring) 19 – Violet (with black ring) 20 – Orange (with black ring) 21 – Grey (with black ring) 22 – White (with black ring) 23 – Pink (with black ring) 24 – Turquoise (with black ring)	

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<b>18/01/2011</b>	<b>0</b>	<i>Emission</i>
<i>Technical Office :</i> <b>Leonardo BRUNI</b>		<i>Customer's signature and stamp for acceptance :</i>

For Further information on this product or any other product within our range, or for any advice, Please contact **Tecnikabel s.r.l.**, Via Brandizzo 243, 10088 - Volpiano (TO), Italy ☎ 011-9951997, Fax 📠 011-9953062  
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 <p><b>Tecnikabel</b> SPECIAL ELECTRICAL CABLES</p> 	<h2>Technical Specification</h2>	<p>N° <b>TKFO-0043</b></p>	 <p><b>RoHS</b> compliant 2002/95/EC</p>
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**Description : UNITUBE LOOSE WITH DIELECTRIC PROTECTION QXAI**

**LOOSE TUBE**

		<i>u/m</i>
Material	PBTP filled with Jelly	
Color of loose	<i>Natural</i>	
Nominal diameter	<i>2,8 (up to 12 fibres)</i>	mm
	<i>3,5 (up to 24 fibres)</i>	mm

**RODENT PROTECTION**

		<i>u/m</i>
Material	Glass yarns	

**OUTER SHEATH**

		<i>u/m</i>
Material	LSZH UV- Resistant	
Colour	<i>Black for LWP fiber</i>	
	<i>Orange for MM50 OM2 fiber</i>	
	<i>Violet for MM50 OM3 fiber</i>	
	<i>Red for MM62,5 fiber</i>	
Nominal thickness	<i>See table 1</i>	mm
Nominal Diameter	<i>See table 1</i>	mm
Marking :	SysM eMCOM QXAI Indoor/Outdoor LSOH month/year G number ad type of fiber Lot.nnnn+ metric	

**TABLE 1**

N° of fibers	Nominal Thickness Outer sheath	Ø Nominal Outer Sheath	Nominal weight
4-6-8-12	1,10mm	7,0 mm	55 Kg/km
24	1,10mm	8,0 mm	65 Kg/km

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***Other Characteristics***

- Minimum Bending Radius	: 10 x Ø static : 15 x Ø static
- Temperature	: - 30°C ÷ + 70°C Storage : - 30°C ÷ + 70°C Operatine : - 5°C ÷ + 50°C Installation

***Mechanical Characteristics***

- Tensile performance ( IEC 60794-1-2-E1)	: 2500 N ( $\Delta\alpha$ reversible)
- Crush (IEC 60794-1-2-E3)	: 3000 N/100 mm ( $\Delta\alpha$ reversible)
- Impact ( IEC 60794-1-2-E4)	: 10 J ( $\Delta\alpha$ reversible)

***Fire Performance***

- Flame retardant	:IEC 60332-1
- Fire retardant	:IEC 60332-3-24
- Halogen acid gas emission $\leq 0,3$ %	:IEC 60754-1 ; IEC 60754-2
-Degree of acidity of gases evolved during of the combustion (pH value $\geq 4,3$ and conductivity $\leq 10\mu\text{S}/\text{mm}$ )	:IEC 60754-1 ; IEC 60754-2
- Smoke emission(trasmittance) $\geq 60\%$	:IEC 61034-1 ;IEC 61034-2
-Toxicity of evolved gas $\leq 2$	:NES 713

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