

## OPTIPACK UNIVERSAL CABLE

12X3.0MM LSFH Ø 16.0MM B2CA

### PRODUCT OVERVIEW



#### Description

**288-24.../(ZN)SN(ZNG)H-...30#B**

- Metal free indoor and outdoor cable
- Rodent-protected, glassarmoured
- Ripcord for easy jacked removal
- No need for cleaning the fibres
- Increased tensile strength
- Halogen free cable with improved behaviour in case of fire
- Longitudinal and transversal watertight cable

#### Technical Data

##### Construction

<b>Fibre</b>	Quantity: up to	288
<b>Strength Member</b>	Quantity	1 pcs
	Type	Central
<b>Strain Relief</b>	Type	Aramid Yarn
<b>Inner Jacket</b>	Quantity	12 pcs
	Type	Fibre Bundle
	Diameter	3mm
<b>Strain Relief</b>	Type	Glass-roving
	Sweallability	Swellable
<b>Tape</b>	Quantity	0 pcs
<b>Outer Jacket</b>	Material	LSFH
	Diameter	16mm

##### Environmental Data

<b>CPR Class</b>	Standard	EN 50575:2014+A1:2016
	Class	B2ca-s1a,d0,a1
<b>Temperature</b>	Standard	IEC 60794-1-22 F12
	During Installation	-10°C- 50°C
	In Service	-40°C- 70°C
	In Storage	-40°C- 70°C
<b>Flame Propagation</b>	Standard Condition	IEC 60332-1-2 On a vertical single cable
<b>Flame Characteristics</b>	Standard Condition Characteristics	IEC 61034-2 Jacket Material Degree of Acidity

### Environmental Data (continued)

<b>Flame Characteristics</b>	Standard Condition Characteristics	IEC 60754-1 Jacket Material Halogen Acid Gas
	Standard Condition Characteristics	IEC 60754-2 Jacket Material
<b>Water Penetration</b>	Standard Condition	IEC 60794-1-22 F5C h_1m, 24h, p<3m

### Mechanical Data

<b>Weight</b>		Approx. 244 g/m
<b>Tensile Strength</b>	Standard	IEC 60794-1-21 E1
	During Installation	9000N
	In Service	1200N
<b>Min. Bending Radius</b>	Standard	IEC 60794-1-21 E11
	During Installation	240mm
	In Service	240mm
<b>Crush Resistance</b>	Standard	IEC 60794-1-21 E3
	During Installation	3000 N/dm
	In Service	1500 N/dm
<b>Impact Resistance</b>	Standard	IEC 60794-1-21 E4
	Energy	2.21 J
	Cycles	50

### Colours & Fibre Type

<b>Colours</b>	Fibre	According to Colour Code
	Inner Jacket	Numbered, E9: YE, G50 and G62: OG, OM3: TQ, OM4:HV
	Standard Outer Jacket	Black
<b>Fibre Type</b>	G50/125-OM3	According to IEC 60793-2-10 A1-OM3b
	G50/125-OM4	According to IEC 60793-2-10 A1-OM4b

	1	2	3	4	5	6	7	8	9	10	11	12
H+S Standard	Red	Green	Yellow	Blue	White	Violet	Orange	Black	Grey	Brown	Heather Violet	Turquoise
DIN	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Heather Violet
TIA	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Heather Violet	Turquoise
IEC	Blue	Yellow	Red	White	Green	Violet	Orange	Grey	Turquoise	Black	Brown	Heather Violet