

## HITRONIC® TORSION

Breakout cable specially designed to withstand high torsional stresses; PUR outer sheath

Fibre optical cables for wind applications with defined movement, torsion, available with 2,4,8 or 12 sub-cable elements with single-mode or multimode fibres

### Info

Torsion-resistant and very flexible



Supplementary automation components from Lapp



Wind Energy



Halogen-free



Mechanical resistance



Low weight



Optimum strain relief



Torsion-resistant



UV-resistant

### Benefits

Designed to withstand high torsion in the windmill drip loop

Suitable for field assembly

Easy to install due to the compact design, high flexibility, robust sheath and small bending radii

Zero electromagnetic interference as the cable contains no metal (totally dielectric)

### Application range

Last Update (08.10.2019)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## HITRONIC® TORSION

For fixed and flexible installations, as well as for applications with torsional movements (e.g. machinery, wind turbines)

Industrial environments

In vertical installations

As a link between moving parts

For indoor and outdoor use

### Product features

Based on military norm MIL-C-85045

Torsion-resistant and very flexible

Outer sheath flame-retardant and halogen-free

Mechanically robust

### Product Make-up

2.5 mm tight-buffered sub-cable with

LSZH sheath

Aramid yarns as strain relief

Central element

PUR outer sheath

Colour: black (RAL 9005)

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000034

ETIM 5.0 Class-Description: Fibre optic cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC000034

ETIM 6.0 Class-Description: Fibre optic cable

Dimensions:

sub-cable: 2.5mm

Cable: see table

Core identification code:

Details see datasheet

Fibre type:

GOF - Glass Optical Fibre

Standard designation:

A/J-V(ZN)H11Y

Optical values:

see data sheet

Optical fibre type:

Core material: glass

Cladding material: glass

Permissible bending radius:

Static:  $\geq 15 \times$  outer diameter

Dynamic:  $\geq 20 \times$  outer diameter

Temperature range:

Fixed installation:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

Occasional flexing:  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

### Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

Available on request with Multimode OM4 fibres.

**HITRONIC® TORSION**

Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
<b>Multimode G 50 OM3</b>					
26310302	HITRONIC® TORSION 2G 50/125 OM3	50/125 OM3	2	8.4	54
26310304	HITRONIC® TORSION 4G 50/125 OM3	50/125 OM3	4	8.4	54
26310308	HITRONIC® TORSION 8G 50/125 OM3	50/125 OM3	8	11.6	95
26310312	HITRONIC® TORSION 12G 50/125 OM3	50/125 OM3	12	14.7	122
<b>Multimode G 50 OM2</b>					
26310202	HITRONIC® TORSION 2G 50/125 OM2	50/125 OM2	2	8.4	54
26310204	HITRONIC® TORSION 4G 50/125 OM2	50/125 OM2	4	8.4	54
26310208	HITRONIC® TORSION 8G 50/125 OM2	50/125 OM2	8	11.6	95
26310212	HITRONIC® TORSION 12G 50/125 OM2	50/125 OM2	12	14.7	122
<b>Multimode G 62.5 OM1</b>					
26310102	HITRONIC® TORSION 2G 62.5/125 OM1	62.5/125 OM1	2	8.4	54
26310104	HITRONIC® TORSION 4G 62.5/125 OM1	62.5/125 OM1	4	8.4	54
26310108	HITRONIC® TORSION 8G 62.5/125 OM1	62.5/125 OM1	8	11.6	95
26310112	HITRONIC® TORSION 12G 62.5/125 OM1	62.5/125 OM1	12	14.7	122
<b>Single-mode E 9 OS2</b>					
26310902	HITRONIC® TORSION 2E 9/125 OS2	9/125 OS2	2	8.4	54
26310904	HITRONIC® TORSION 4E 9/125 OS2	9/125 OS2	4	8.4	54
26310908	HITRONIC® TORSION 8E 9/125 OS2	9/125 OS2	8	11.6	95
26310912	HITRONIC® TORSION 12E 9/125 OS2	9/125 OS2	12	14.7	122

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