



Chainflex® Networking



Harnessed CAT-5 Cable, Ethernet compatible

Description

The CF14US harness is designed for use in continuous flexing industrial and harsh environment ethernet applications.

Construction

Conductors: 26 AWG finely stranded bare copper wires

Conductor insulation: Foam polyethylene

Conductor twisting: 4 pairs twisted together

Conductor colors: Blue & white/blue, orange & white/orange, green & white/green, brown & white/brown

Inner jacket: Low-adhesion PVC

Shield: tinned copper, 90% optical coverage

Outer jacket: Low adhesion PUR blend adapted to the requirements of the Energy Chain®

Color: Violet

Technical Data

Minimum bending radius for flexible use: 12.5 x outer cable diameter

Permissible temperature range for continuous flexing: -22°F to +176°F (-30°C to +80°C)

Insertion Loss: meets EIA/TIA 568-B.2 for CAT5e stranded conductors

Differential Impedance: 100Ω

Capacitance (Conductor to Conductor): 19pF/ft

Regulations: CSA, CE



CAT5 - 8 position	igus® Part No.	# of Conductors	Diameter		Bending Radius	Length
			in.	(mm)		
Straight	RI9296-2M	4 x 26	.30	(7.6)	12.5	2
	RI9296-10M	4 x 26	.30	(7.6)	12.5	10
	RI9296-15M	4 x 26	.30	(7.6)	12.5	15
	RI9296-25M	4 x 26	.30	(7.6)	12.5	25
	RI9296-30M	4 x 26	.30	(7.6)	12.5	30
Cross-Over	RI9296-N2M	4 x 26	.30	(7.6)	12.5	2
	RI9296-N10M	4 x 26	.30	(7.6)	12.5	10
	RI9296-N15M	4 x 26	.30	(7.6)	12.5	15
	RI9296-N25M	4 x 26	.30	(7.6)	12.5	25
	RI9296-N30M	4 x 26	.30	(7.6)	12.5	30

Note: Custom lengths available upon request (maximum 50 meters).