

Ethernet Cables



Chainflex® CF14US CAT5 Cable

PUR Energy Chain® Ethernet cable, shielded, oil-resistant, UV-resistant, flame retardant, abrasion and tear resistant

PREMIUM



Fine wire
stranded
conductor

Core
Pairs twisted
together with
short pitch

Inner jacket
gusset filled,
pressure
extruded

Overall shield
Highly flexible
braided copper
shield

Outer jacket
Pressure extruded,
halogen-free PUR
blend

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 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: **UL AWM:** 80°C 300V, **CSA AWM:** I/II A/B 80°C 300V FT1, **CE:** In accordance with European Council Directive 73/23/EEC, **RoHS:** 2002/95/EC; See page 10.23 of the Design section for more information.

Part No.	Number of Pairs	AWG	Strand/AWG	Cross Section (mm ²)	Outer Diameter (approx)		Copper Index		Weight	
					in.	(mm)	lbs/mft	(kg/km)	lbs/mft	(kg/km)
CF14US-02-04-02	4	26	19/38	.14	.30	(7.6)	7.4	(11)	60	(89)

IGUS® CHAINFLEX® CF14US.CAT5