For the latest prices, please check AutomationDirect.com.

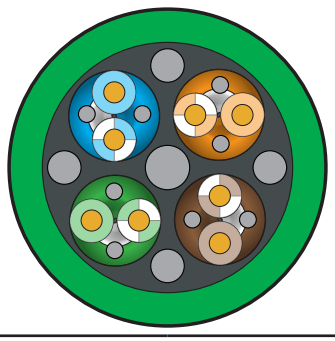
Cat5 Industrial Ethernet Continuous Flexing

HELUKABEL®

H800067-1 Cable Specifications

Part Number	Wire/Cable Type	Flexibility	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
H800067-1	Cat5 industrial Ethernet	Continuous flexing	20	0.02	$-6glg:

Physical Properties				
Conductor Gauge		26 AWG	Conductor Stranding	19-stranded bare copper
Conductor Material		Bare copper	Conductor Insulation Wall Thickness	0.009 in, nominal
Conductor Assembly		4 twisted pairs	Bare Conductor Diameter	0.020 in, nominal
Color Code	Pair 1	Blue, White	Insulated Conductor Diameter	0.038 in, nominal
	Pair 2	Orange, White	Twisted Conductor Diameter	N/A
	Pair 3	Green, White	Overall Cable Diameter	0.295 in, nominal
	Pair 4	Brown, White	Jacket Color	Green
Voltage Rating		30V	Jacket Thickness	0.030 in, nominal
Temperature Rating		-40 to 80 °C (-40 to 176 °F)	Jacket Material	PUR
Plenum		No	Sunlight Resistant	No
Shield		Overall copperized polyester foil and tinned copper braid	Oil Resistance	Yes
Drain		No	Flame Retardant	Yes
Conductor Insulation Material		Polypropylene	Sample Print Legend	<metermarking>m HELUKAT® 100T INDUSTRIAL ETHERNET Cat.5e_SF/UTP 4x2xAWG26-100 FR-PUR_(Litze)/ <800067.> E170315-058 <Logo c(UR) us> AWM 21161 80°C I/II A/B FT2 0158<production lot no.> <CE-Logo> <HELU date>
Minimum Bend Radius		Moving: 2.36in Fixed: 1.48in		

Electrical Characteristics (for 100 meters of cable)			
Impedance	100 Ω ± 15 Ω	UL Classification	AWM Style 21161
Capacitance	15.2 pF/ft	Approvals**	cURus, CE, RoHS, Halogen-free, EAC
Resistance, Max.	42.7 Ω DC per 1000ft	Attenuation Crosstalk Ratio, Far End (ACRF)	$1 \le f \le 100$ MHz: 64 - 20 LOG10 (f/100) dB MIN
Dielectric Withstanding, Min.	2000V RMS	Insertion Loss	$1 \le f \le 100$ MHz: 2,866 x $\sqrt{f}$ + 0.0333 x (f) + 0.3/$\sqrt{f}$ dB MAX
Return Loss	$1 \le f < 10$ MHz: 20 + 5 LOG10 (f) dB MIN $10 \le f < 20$ MHz: 25 dB MIN $20 \le f \le 100$ MHz: 25 - 8,6 LOG10 (f/20) dB MIN	Power Sum Attenuation to Crosstalk Ratio, Far End (PSACRF)	$1 \le f \le 100$ MHz: 61 - 20 LOG10 (f/100) dB MIN
Near End Crosstalk (NEXT)	$1 \le f \le 100$ MHz: 65,3 - 15 LOG10 (f/100) dB MIN	Cross Section	
Power Sum Near End Crosstalk (PSNEXT)	$1 \le f \le 100$ MHz: 62,3 - 15 LOG10 (f/100) dB MIN		
TCL	N/A		
ELTCTL	N/A		
Velocity of Propagation	0.67		
Delay	$4 \le f \le 100$ MHz: 534 + 36/$\sqrt{f}$ ns Max		
Delay Skew	$4 \le f \le 100$ MHz: Max 45ns		

*** See web store www.AutomationDirect.com for maximum cut lengths**

**** To obtain the most current agency approval information, see the Agency Approval Checklist section on the part number's web page at www.AutomationDirect.com**

Please Note: Our prices on Ethernet Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.