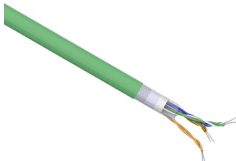
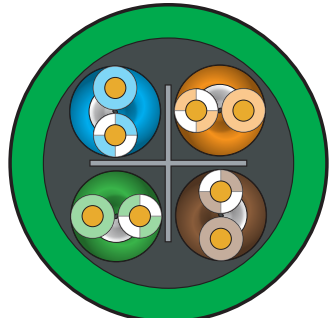


Cat6 Industrial Ethernet Continuous Flexing



H803387-1 Cable Specifications						
	Part Number	Wire/Cable Type	Flexibility	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price Per Foot
	H803387-1	Cat6 industrial Ethernet	Continuous flexing	20	0.02	\$2.35
Physical Properties						
Conductor Gauge		26 AWG	Conductor Stranding		19-stranded tinned copper	
Conductor Material		Tinned 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/Blue	Insulated Conductor Diameter		0.038 in, nominal	
	Pair 2	Orange, White/Orange	Twisted Conductor Diameter		N/A	
	Pair 3	Green, White/Green	Overall Cable Diameter		0.307 in, nominal	
	Pair 4	Brown, White/Brown	Jacket Color		Green	
Voltage Rating		1000V	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 aluminized polyester foil and tinned copper braid	Oil Resistance		Yes	
Drain		No	Flame Retardant		Yes	
Conductor Insulation Material		Polypropylene	Sample Print Legend		<Metermarking>m HELUKAT® 250S Industrial Ethernet SF/UTP 4x2xAWG26/19 PUR / 803387 * c(UL)us E31218 CMX 75°C or AWM 21576 1000V 80°C 0158<prod.nr.> CE <MONTH YEAR>	
Minimum Bend Radius		Moving: 2.46in Fixed: 1.23in				
Electrical Characteristics (for 100 meters of cable)						
Impedance		100 Ω ± 15 Ω 1 to 100 MHz 100 Ω ± 20 Ω 101 to 250 MHz	UL Classification		(cULus) Type CMX or AWM Style 21576	
Capacitance		15.2 pF/ft	Approvals**		cULus, CSA, CE, RoHS, Halogen-free, EAC	
Resistance, Max.		42.7 Ω DC per 1000ft	Attenuation Crosstalk Ratio, Far End (ACRF)		1 ≤ f ≤ 250 MHz: 68 - 20 LOG10 (f/100) dB MIN	
Dielectric Withstanding, Min.		700V RMS	Insertion Loss		1 ≤ f ≤ 250 MHz: 2,73 x √f + 0.026 x (f) + 0.375/√f dB MAX	
Return Loss		1 ≤ f < 10 MHz: 20 + 5 LOG10 (f) dB MIN 10 ≤ f < 20 MHz: 25 dB MIN 20 ≤ f ≤ 250 MHz: 25 - 8,6 LOG10 (f/20) dB MIN	Power Sum Attenuation to Crosstalk Ratio, Far End (PSACRF)		1 ≤ f ≤ 250 MHz: 65 - 20 LOG10 (f/100) dB MIN	
Near End Crosstalk (NEXT)		1 ≤ f ≤ 250 MHz: 75,3 - 15 LOG10 (f/100) dB MIN	Cross Section			
Power Sum Near End Crosstalk (PSNEXT)		1 ≤ f ≤ 250 MHz: 72,3 - 15 LOG10 (f/100) dB MIN				
TCL		N/A				
ELTCTL		N/A				
Velocity of Propagation		0.67				
Delay		4 ≤ f ≤ 250 MHz: 534 + 36/√f ns Max				
Delay Skew		4 ≤ f ≤ 250 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.