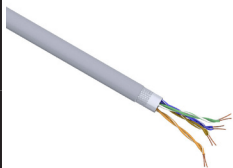
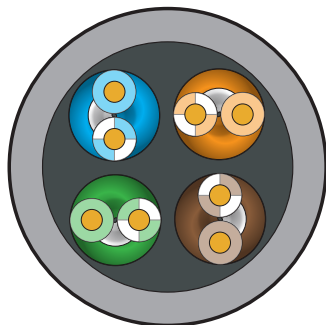


Cat5e Industrial Ethernet



H800068-1 Cable Specifications							
		Part Number	Wire/Cable Type	Flexibility	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price Per Foot
		H800068-1	Cat5e industrial Ethernet	Flexible	20	0.03	\$1.18
Physical Properties							
Conductor Gauge		26 AWG		Conductor Stranding		7-stranded bare copper	
Conductor Material		Bare copper		Conductor Insulation Wall Thickness		0.009 in, nominal	
Conductor Assembly		4 twisted pairs		Bare Conductor Diameter		0.019 in, nominal	
Color Code	Pair 1	Blue, White/Blue		Insulated Conductor Diameter		0.037 in, nominal	
	Pair 2	Orange, White/Orange		Twisted Conductor Diameter		N/A	
	Pair 3	Green, White/Green		Overall Cable Diameter		0.228 in, nominal	
	Pair 4	Brown, White/Brown		Jacket Color		Gray	
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		Polyolefin		Sample Print Legend		<meter>m HELUKAT® 200IND SF/UTP 4x2xAWG26/7 PUR 200 MHz / 800068 * E170315 <Logo RU> AWM 21576 80°C 1000V * <Fert.Nr.> <month year> CE marking	
Minimum Bend Radius		Moving: 1.82in Fixed: 0.91in					
Electrical Characteristics (for 100 meters of cable)							
Impedance		1 to 100 MHz, 100 Ω ± 15 Ω 101 to 200 MHz, 100 Ω ± 20 Ω		UL Classification		AWM Style 21576	
Capacitance		14.3 pF/ft		Approvals**		UR, CE, RoHs, Halogen-free, EAC	
Resistance, Max.		42.7 Ω DC per 1000ft		Attenuation Crosstalk Ratio, Far End (ACRF)		1 ≤ f ≤ 100 MHz: 64 - 20 LOG10 (f/100) dB MIN	
Dielectric Withstanding, Min.		3000V RMS		Insertion Loss		1 ≤ f ≤ 100 MHz: 2,866 x √f + 0.0333 x (f) + 0.3/√f dB MAX	
Return Loss		1 ≤ f < 10 MHz: 20 + 5 LOG10 (f) dB MIN 10 ≤ f < 20 MHz: 25 dB MIN 20 ≤ f ≤ 100 MHz: 25 - 8,6 LOG10 (f/20) dB MIN		Power Sum Attenuation to Crosstalk Ratio, Far End (PSACRF)		1 ≤ f ≤ 100 MHz: 61 - 20 LOG10 (f/100) dB MIN	
Near End Crosstalk (NEXT)		1 ≤ f ≤ 100 MHz: 65,3 - 15 LOG10 (f/100) dB MIN		Cross Section			
Power Sum Near End Crosstalk (PSNEXT)		1 ≤ f ≤ 100 MHz: 62,3 - 15 LOG10 (f/100) dB MIN					
TCL		N/A					
ELTCTL		N/A					
Velocity of Propagation		0.67					
Delay		4 ≤ f ≤ 100 MHz: 534 + 36/√f ns Max					
Delay Skew		4 ≤ f ≤ 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.