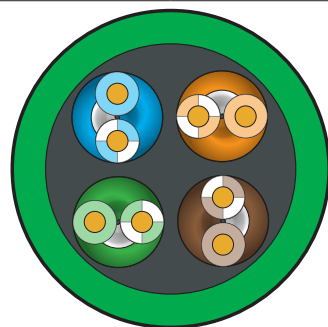


Cat7 Industrial Ethernet



H802184-1 Cable Specifications							
		Part Number	Wire/Cable Type	Flexibility	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price Per Foot
		H802184-1	Cat7 industrial Ethernet	Flexible	20	0.02	\$1.62
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		Insulated Conductor Diameter		0.037 in, nominal	
	Pair 2	Orange, White		Twisted Conductor Diameter		N/A	
	Pair 3	Green, White		Overall Cable Diameter		0.252 in, nominal	
	Pair 4	Brown, White		Jacket Color		Green	
Voltage Rating		30V		Jacket Thickness		0.020 in, nominal	
Temperature Rating		-40 to 80 °C (-40 to 176 °F)		Jacket Material		PUR	
Plenum		No		Sunlight Resistant		No	
Shield		Individual polyester foil with overall polyester foil and aluminum-lined copper braid		Oil Resistance		Yes	
Drain		No		Flame Retardant		Yes	
Conductor Insulation Material		Foam Polyethylene		Sample Print Legend		<Metrierung>m HELUKAT® 600IND S/FTP 4x2xAWG26/7 PUR / 802184 * E170315 <Logo cRUus> AWM 20963 80°C 30V I A/B FT2 * 0158<Fert.Nr.> <CE-Zeichen> <HELU Datum>	
Minimum Bend Radius		Moving: 2.02in Fixed: 1.26in					
Electrical Characteristics (for 100 meters of cable)							
Impedance		100 Ω ± 15 Ω 1 to 100 MHz 100 Ω ± 20 Ω 101 to 600 MHz		UL Classification		AWM Style 20963	
Capacitance		12.8 pF/ft		Approvals**		cURus, CE, RoHS, Halogen-free, EAC	
Resistance, Max.		42.7 Ω DC per 1000ft		Attenuation Crosstalk Ratio, Far End (ACRF)		1 ≤ f ≤ 600 MHz: 94 - 20 LOG10 (f/100) dB MIN	
Dielectric Withstanding, Min.		2000V RMS		Insertion Loss		1 ≤ f ≤ 600 MHz: 2,7 x √f + 0.015 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 ≤ 600 MHz: 25 - 8,6 LOG10 (f/20) dB MIN		Power Sum Attenuation to Crosstalk Ratio, Far End (PSACRF)		1 ≤ f ≤ 600 MHz: 91 - 20 LOG10 (f/100) dB MIN	
Near End Crosstalk (NEXT)		1 ≤ f ≤ 600 MHz: 102,4 - 15 LOG10 (f/100) dB MIN		Cross Section			
Power Sum Near End Crosstalk (PSNEXT)		1 ≤ f ≤ 600 MHz: 99,4 - 15 LOG10 (f/100) dB MIN					
TCL		N/A					
ELTCTL		N/A					
Velocity of Propagation		0.75					
Delay		4 ≤ f ≤ 600 MHz: 534 + 36/√f ns Max					
Delay Skew		4 ≤ f ≤ 600 MHz: Max 25ns					

* 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.