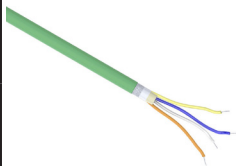
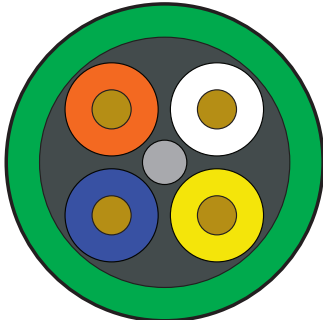


Profinet Type C



H802914-1 Cable Specifications						
	Part Number	Wire/Cable Type	Flexibility	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price Per Foot
	H802914-1	Profinet Type C	Flexible	20	0.05	\$1.78
Physical Properties						
Conductor Gauge		22 AWG	Conductor Stranding		7-stranded tinned copper	
Conductor Material		Tinned copper	Conductor Insulation Wall Thickness		0.015 in, nominal	
Conductor Assembly		1 star quad	Bare Conductor Diameter		0.030 in, nominal	
Color Code	Pair 1	White, Blue	Insulated Conductor Diameter		0.060 in, nominal	
	Pair 2	Yellow, Orange	Twisted Conductor Diameter		N/A	
	Pair 3	N/A	Overall Cable Diameter		0.256 in, nominal	
	Pair 4	N/A	Jacket Color		Green	
Voltage Rating		600V	Jacket Thickness		0.030 in, nominal	
Temperature Rating		-10 to 70 °C (14 to 158 °F)	Jacket Material		PVC	
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		Polyethylene	Sample Print Legend		<metermarking>m HELUKABEL INDUSTRIAL ETHERNET TrailingCABLE * PROFINET Type C ES CAT 5 PLUS * 22AWG (SHIELDED) (UL) E312184 CMG 75 °C or PLTC FT4 SUN RES OIL RES or AWM 21694 600V Art.Nr. 802914 * 0058<prod.lot.no.> <CE-Logo> <HELU date>	
Minimum Bend Radius		Moving: 2.05in Fixed: 1.54in				
Electrical Characteristics (for 100 meters of cable)						
Impedance		100 Ω ± 15 Ω	UL Classification		(cULus) Type CMG/PLTC or AWM Style 21694	
Capacitance		15.8 pF/ft	Approvals**		UL, CE, RoHS	
Resistance, Max.		18.3 Ω DC per 1000ft	Attenuation Crosstalk Ratio, Far End (ACRF)		1 ≤ f ≤ 100 MHz: 64 - 20 LOG10 (f/100) dB MIN	
Dielectric Withstanding, Min.		2000V 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.