

Power and Communication Cable



Overview

This 4x1 conductor cable is used to connect Sycor's sensor transducers to the Sycor Tracker™ WirelessHART Field Transmitter for both HC-Tracker™ and FR-Tracker™ monitoring solutions.

Specifications

Construction	
Component 1	4 x 1 COND
Conductor	20 (7/28) AWG Tinned Copper
Insulation	0.016 in. Wall, Nom. TPE
Colour Code	Black, Red, White, Green
Cable Assembly	4 Components Cabled
Twists	6.0 Twists/foot (min.)
Orientation	Arranged from inside layer to outside layer
Core Wrap	Nonwoven Polyester Tape, 25% overlap, min.
Shield	Alum/Mylar Tape, 25% overlap, min.
Foil Direction	Foil Facing In
Drain Wire	20 (7/28) AWG Tinned Copper
Jacket	0.045 in. Wall, Nom. TPE
Color(s)	Black
Ripcord	1 End 810 Denier Nylon
Label	ALPHA WIRE-* P/N 45464 4C 20 AWG XTRAGUARD(R) 4 (UL) TYPE PLTC 105C SUN RES OR AWM 20237/21918 125C 300 V OR CRU AWM I/II A/B 125C 300 V FT1 P-07- KA140023-MSHA CE ROHS (SEQ FOOTAGE) * = Factory Code

Physical and Mechanical Properties

Temp. Range	-50 to 125°C
Bend Radius	10 X cable diameter
Pull Tension	44 lbs. max.
Sunlight Res.	Yes

Electrical Properties

Voltage Rating	300 V _{RMS}
Conductor DCR	10.2 Ω/1000ft. @ 20°C, Nominal
OA Shield DCR	8.2 Ω/1000ft. @ 20°C, Nominal

Certification	
UL	AWM/STYLE 20237 125°C / 300 V _{RMS}
	PLTC 105°C
	AWM/STYLE 21918 125°C / 300 V _{RMS}
	SUN RES
CSA International	C(RU) AWM I/II A/B FT1 125°C / 300 V _{RMS}
	SUN RES (Black only)
Other	PENNSYLVANIA BUREAU OF MINE SAFETY APPROVED
CE	EU Low Voltage Directive 2014/35/EC
Environmental	
Europe	CE: EU Directive 2011/65/EU(RoHS2)
	REACH Regulation (EC 1907/2006)
USA	California Proposition 65

How to Purchase

Visit sycor.com for more information. Contact Sycor to discuss your specific site and application requirements.

Contact Information

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