

the pulse type.

tray flame tests.

tray flame test.

Product Features

Sunlight & oil resistant.

• UL listed for direct burial.

tromagnetic noise pick-up.

OSHA Acceptable.

prevent crosstalk or capacitive cou-

pling between adjacent pairs which

occurs with ac signals, particularly

The overall shield or multi pair cables

cables and other electrical equipment.

Passes the UL 13 and IEEE 383 vertical

Individual pairs are completely isolated.

• 100% shield coverage for reduced elec-

Excellent external noise rejection.

Excellent weathering characteristics.

• Flexible, easy to handle and terminate.

Single pair passes IEEE 1202 vertical

eliminates most of the static interference

from the electrical field radiated by power

Okobus



Single Pair: Type P-OS — Multi Pair: Type SP-OS Type PLTC & Type ITC-ER Fieldbus Cable

Single Pair or Multiple Shielded Pairs - Overall Shield 300 Volts 75°C Rating

Specifications

Conductors: #18 AWG tinned copper, Class M, stranded per ASTM B-174.

Insulation: Okolene® (Polypropylene) per UL 13 and 2250, 32 mils nominal thickness, 75°C temperature rating.

Pair Shield: Aluminum/Polyester tape overlapped to provide 100% coverage, and a Class M tinned copper drain wire, two sizes smaller than the conductor. All multi-pair shields are isolated from each

num/Polyester tape overlapped to provide 100% coverage, and a class M strand tinned copper drain wire, same size as

Jacket: Orange, flame-retardant, Okoseal per UL 13 and 2250. A rip cord is laid longitudinally under the jacket to facilitate

Classifications: UL Listed as PLTC-Power Limited Tray Cable and as ITC-ER - Instrument Tray Cable/Exposed Run for use in accordance with Article 727 and Article 725 of the National Electrical

Cables comply with ISA-S-50-02, UL 2250 and UL 13 for Fieldbus circuits and CL2 and CL3.

Okonite® OKOBUS® cables are designed ing networked discrete or process automation and control. ITC-ER (Instrument Tray Cable - Exposed Run) eliminated the need for conduit when installed in accordance with NEC Article 727.4(6). Fully complies with ANSI/ISA 50.02 part 2 for Fieldbus Cable.

each pair, when properly grounded,



Conductor Identification: Pigmented orange and blue in pairs, orange conductor numerically printed for group identification.

other.

Multiple Pair Assembly: Pairs assembled with a left-hand lay. Cable fillers included where required to provide a round cable.

Multiple Pair Cable Shield: Alumi-

removal.

Code.

Applications

for use in rugged plant environments utiliz-

The isolated individual shields over





A Tinned Copper Stranded

B Polypropylene Insulation

D Aluminum/Polyester Tape

F Aluminum/Polyester Tape

J Orange Okoseal Jacket

E Twisted, Shielded Pairs

C Tinned Stranded Copper Group

G Tinned Stranded Copper Drain

Conductor

Drain Wire

Wire

H Rip Cord

Okobus

Single Pair: Type P-OS — Multi Pair: Type SP-OS Section 5: Sheet 47 Type PLTC & Type ITC-ER Fieldbus Cable

Single Pair or Multiple Shielded Pairs - Overall Shield 300 V 75°C Rating

#18 AWG

Catalog Humbe	Murri	Jet of Pairs	Modified.	ddles crosses	Lordin Rothor Me	weight Shi	weight
▲ 264-92-3901	1	45	0.34	0.09	62	73	
261-92-3302	2	50	0.55	0.24	148	172	
261-92-3304	4	60	0.71	0.40	212	251	
261-92-3063	6	60	0.80	0.50	264	303	
261-92-3308	8	70	0.91	0.65	340	404	
261-92-3312	12	70	1.04	0.85	474	554	
261-92-3316	16	70	1.17	1.08	580	660	
261-92-3320	20	80	1.32	1.37	722	828	
261-92-3324	24	80	1.46	1.67	880	1023	

† **Cross-sectional** area for calculation of cable tray fill in accordance with NEC Section 392.22

Length Tolerance: Cut lengths of 1000 feet or longer are subject to a tolerance of \pm 10%; less than 1000 feet \pm 15%.

▲ Authorized Stock Item: Available from our Customer Service Centers.

CHARACTERISTICS

Product Data

a) Characteristic Impedance, z _o , at fr	
(31.25kHz), minimum	100 ohms

c) Maximum capacitive unbalance to shield.....2 nF/km

d) Maximum DC resistance (per conductor)24 ohms/km

e) Maximum propagation delay change 0.25 fr to 1.25 fr......1.7 $\mu s/km$

f) conductor cross-sectional area nominal (wire size)0.8 mm² (#18 AWG)

g) Minimum shield coverage100%