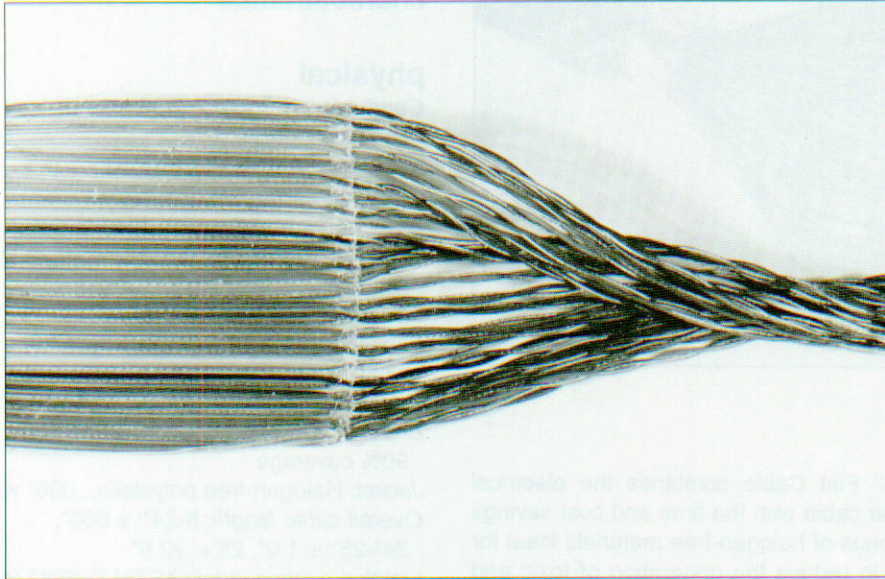


# Halogen-Free Loose Pair Twist 'N' Flat® cable 468-2829 series



## characteristics

### physical

**Conductors:** 28 AWG, 7/36 strand, tinned copper  
**Insulation:** .010" wall extruded, Halogen-Free, FR, Polyolefin  
**Color code:** tan common, brown, red, orange, yellow, green, blue, violet, gray, white, black, (repeat)  
**Flat pitch:** .050" centers,  $\pm .005$ "  
**Flat laminate:** halogen-free polyolefin, white, .005"  
**Limiting oxygen index:** ASTM-D-2863 primary: 39%, laminate: 28%

### electrical

**Voltage:** 300 V  
**Current rating:** 1.3 amp nominal @ 10°C above ambient  
**Temperature rating:** -25°C to +90°C (-13°F to 194°F)  
**Impedance:** 120 ohms nominal  
**Capacitance:** 11.3 pf/ft. (37.0 pf/m) nominal @ 1.0 MHz  
**Propagation delay:** 1.6 ns/ft. (5.3 ns/m) nominal  
**Insulation resistance:**  $10^{10}$  ohms - 10 ft. (3 m) min.  
**Unbalanced crosstalk:** 10' sample, 5 ns rise time with 2 lines driven, near end = 4.0% far end = 1.6% nominal  
**Mode:** ground-signal  
**UL:** pending

## description

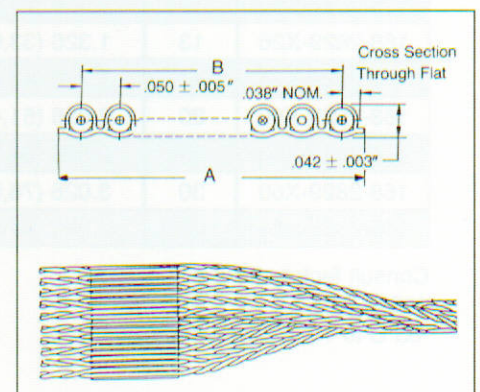
Halogen-free, Loose Pair Twist 'N' Flat Cable combines the electrical characteristics of loose conductor, twisted pair cable with the time and cost savings of mass-terminated cable...with the added bonus of halogen-free materials ideal for use in closed environments. It is designed to reduce the generation of toxic and corrosive gases during combustion. It consists of insulated stranded round conductors, twisted into loose pairs. Every 17.5", the conductors are laminated into parallel .050" center 2.5" sections for mass-termination.

## benefits

- Highly flame retardant
- Reduced generation of smoke and toxic and corrosive gases during combustion
- Custom capabilities: laminated sections can be fabricated at custom intervals, from 6" minimum twist length, up to ten different twist lengths in same cable and repeat, to maximum determined by put-up
- Bulk put-up on reel in round form

## order information

PART #	# PAIRS	WIDTH A " (mm)	SPAN B " (mm)
468-2829-010	5	.526 (13,36)	.450 (11,43)
468-2829-014	7	.726 (18,44)	.650 (16,51)
468-2829-016	8	.826 (20,98)	.750 (19,05)
468-2829-020	10	1.026 (26,06)	.950 (24,13)
468-2829-026	13	1.326 (33,68)	1.250 (31,75)
468-2829-034	17	1.726 (43,84)	1.650 (41,91)
468-2829-040	20	2.026 (51,46)	1.950 (49,53)
468-2829-050	25	2.526 (64,16)	2.450 (62,23)
468-2829-060	30	3.026 (76,86)	2.950 (74,93)
468-2829-064	32	3.226 (81,94)	3.150 (80,01)



Consult factory for 468-2832-0XX -65°C to +150°C version