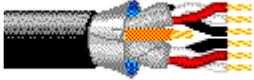


FULL TECHNICAL SPECS



1083A Composite - Power Limited Tray Cable 300 Volts

Total # Cond.		# Triads			
13		4			
AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield
20	(7x28)	BC - Bare Copper	PVC - Polyvinyl Chloride	.01400	Individual/Overall Aluminum Foil-Polyester Tape
Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Cond. DCR (Ohms/M')	Nom. Cap. (pF/ft)
PVC - Polyvinyl Chloride	.0530	.3430	.4490	9.500	30.000

For technical data, click the button below

[Tech Data](#)

or call 1-888-Belden8

For available colors, click the button below

[Put-ups & Colors](#)

or call 1-888-Belden8

Description

Multi-Conductor, 4 triads (12 conductors - 20 AWG, stranded (7x28) BC - Bare Copper conductors) plus 1 communication wire (22 AWG, stranded (7x30) BC - Bare Copper conductors), PVC - Polyvinyl Chloride insulation, Individual Aluminum Foil-Polyester Tape (Beldfoil) shield with 22 AWG stranded (7x30) tinned copper drain wire, Overall Aluminum Foil-Polyester Tape (Beldfoil) shield with 20 AWG stranded (7x28) tinned copper drain wire, 100% shield coverage, sunlight resistant PVC - Polyvinyl Chloride jacket nylon ripcord. Applicable Specifications: UL PLTC or ITC or CMG or C(UL) CMG, FT4, IEEE 1202. Flame Resistance: UL 1581 Vertical Tray CSA FT4 Flame Test. Industrial Automation & Process Control Cables. Power Limited Tray Cable. Other insulation and jacket options are available. These cables are suitable for installation in wet or dry locations. Cable jackets are sunlight resistant, impervious to moisture and vapor penetration, and non-propagating. Alternate conductor color coding is available as a special order. Multiple triad cables have each triad numbered for ease of identification. Individually shielded and overall shielded - individually shielded pairs with an overall shield are recommended for use in instrument and control applications where optimum noise rejection is required. Individual pair shields are fully isolated from each other and contain a separate drain wire for grounding, to provide maximum protection from crosstalk and common mode interference. Cables with an overall shield provide additional electrostatic noise protection. BELDFOIL is a Belden registered trademark.

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors or omissions may occur. This listing of information is presented as a courtesy and does not ensure that a product with these specifications is available. Specification and availability should be confirmed with a call to our sales representative or to Customer Service. Have a question? Call us at 1-800-BELDEN-1 or send us a [comment](#)

TECHNICAL DATA

Customer Number • 000001

Customer Name •

To display Technical Data, enter a Product Code and press Go.

Product Code
Example: 9269

03-12-01 REV.6

03-12-01 REV.6

1083A

I. DESCRIPTION:

POWER LIMITED TRAY CABLE - 4 TRIADS + COMMUNICATION WIRE, TRIADS ARE 20 AWG (7X28) BARE COPPER, PVC INSULATION, INDIVIDUALLY BELDFOIL SHIELDED W/ 22 AWG (7X30) TINNED COPPER DRAIN WIRE, COMMUNICATION WIRE IS 22 AWG (7X30) BARE COPPER, PVC INSULATION, OVERALL BELDFOIL SHIELD W/ 20 AWG (7X28) TINNED COPPER DRAIN WIRE, PVC JACKET WITH NYLON RIPCORD

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG. C (20/22 AWG): 9.5/15 OHMS/1000 FT
NOM. SHIELD DC RESISTANCE
@ 20 DEG. C:
(INDIVIDUAL): 60 OHMS/1000 FT.
(OVERALL): 26 OHMS/1000 FT.
NOM CAPACITANCE BETWEEN
CONDUCTORS @ 1KHZ: 30 PF/FT.
CONDUCTOR & SHIELD @ 1KHZ: 55 PF/FT.
MAX CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C: 4.2 A
NOM. INDUCTANCE: .19 MICRO HENRIES/FT.

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -30 TO +105 DEG. C
INSULATION MATERIAL & DIA: PVC; .068"
JACKET MATERIAL (COLOR): PVC (BLACK) SUN RES
TYPE SHIELDS AND % COVERAGE: AL/MYLAR FOIL; 100%
MAX. PULLING TENSION: 228 LBS ESTIMATED
NOM. WEIGHT/1000 FT.: 127 LBS ESTIMATED

MIN. BEND RADIUS: 4.5"
JACKET DIAMETER: .449" NOMINAL
APPLICABLE SPECIFICATIONS: UL PLTC OR ITC OR CMG
OR C(UL) CMG, FT4,
IEEE 1202
FLAME RESISTANCE: UL 1581 VERTICAL TRAY
CSA FT4 FLAME TEST
COLOR CODE: BLACK, WHITE, & RED
NUMBERED TRIADS,
ORANGE COM WIRE