

**Description:**

20 AWG triads stranded (19x32) tinned copper conductors, twisted triads, PVC insulation, unshielded, PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Triads	AWG	Stranding	Conductor Material
1	20	19x32	TC - Tinned Copper

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
PVC - Polyvinyl Chloride	.068

Inner Shield**Inner Shield Color Code Chart:**

Number	Color
1	Black & White & Red

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.037

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Nominal Diameter: 0.225 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 27 lbs/1000 ft.

Max. Recommended Pulling Tension: 46 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.250 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: PLTC, ITC, CMG

CEC/C(UL) Specification: CMG

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

9492 Triad - 300V Power-Limited Tray Cable

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: UL1685 FT4 Loading

C(UL) Flame Test: FT4

IEEE Flame Test: 1202

ICEA Flame Test: T-29-520

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Burial: Yes

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Surface Printing (Overall)

Surface Printing: LEGEND: BELDEN 9492 E34972 1TRD20 (UL) CMG 105C OR PLTC OR ITC
 SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG----FT4 IEEE
 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μH/ft)

.19

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

30

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

9.5

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

4.8 Amps per conductor @ 25°C

Put Ups and Colors:

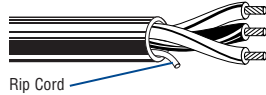
Item #	Putup	Ship Weight	Color	Notes	Item Desc
9492 060U1000	1,000 FT	29.000 LB	CHROME		3 #20 PVC PVC
9492 060U500	500 FT	15.500 LB	CHROME		3 #20 PVC PVC

UL Instrumentation Cable**300V Power-Limited Tray Cables****Industrial Grade Sunlight- and Oil-Resistant Jackets**

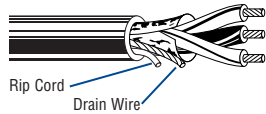
Description	Part No.	No. of Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

20 AWG Triads Stranded (19x32) Tinned Copper Conductors • Twisted Triads**Unshielded • PVC Insulation • Chrome PVC Jacket**

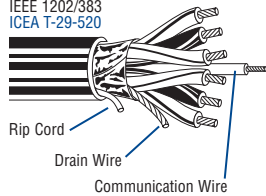
NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	9492	1	E1	U-500 U-1000	U-152.4 U-304.8	15.5 29.0	7.0 13.2	.037 .94	.225 5.72	46 205	2.25 57.15
---	-------------	---	----	-----------------	--------------------	--------------	-------------	-------------	--------------	-----------	---------------

**Overall Beldfoil® Shield (100% Coverage) • PVC Insulation • Chrome PVC Jacket**

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	9364	1	E1	U-500 U-1000	U-152.4 U-304.8	17.0 32.0	7.7 14.5	.037 .94	.228 5.79	46 205	2.25 57.15
---	-------------	---	----	-----------------	--------------------	--------------	-------------	-------------	--------------	-----------	---------------

**20 AWG Triads Stranded (7x28) Bare Copper Conductors • Twisted Triads****Overall Beldfoil Shield (100% Coverage) • PVC Insulation • Black PVC Jacket (See chart below for other options)**

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	1526A	1	E1	10000 [†]	3048.0	310.0	140.6	.037 .94	.215 5.46	42 187	2.20 55.88
	3017A	2	E1	Bulk ^{††}	Bulk	—	—	.055 1.40	.360 9.14	97 432	3.60 91.44
	3020A	4	E1	Bulk ^{††}	Bulk	—	—	.055 1.40	.470 11.94	174 774	4.75 120.65
	3021A	8	E1	Bulk ^{††}	Bulk	—	—	.055 1.40	.560 14.22	330 1468	5.00 127.00
	3022A	12	E1	Bulk ^{††}	Bulk	—	—	.066 1.68	.710 18.03	485 2158	7.00 177.80
	3023A	16	E1	Bulk ^{††}	Bulk	—	—	.064 1.63	.821 20.85	600 2669	7.75 196.85
	3024A	24	E1	Bulk ^{††}	Bulk	—	—	.074 1.88	1.031 26.19	920 4093	9.25 234.95

**Individually Shielded + Overall Beldfoil Shield (100% Coverage) • PVC Insulation • Black PVC Jacket (Other options below)**

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	3018A	2	E1	Bulk ^{††}	Bulk	—	—	.055 1.40	.372 9.45	102 454	3.75 95.25
	1083A	4	E1	10000 [†]	3048.0	1410.8	640.9	.053 1.35	.451 11.46	228 1014	4.50 114.30
	1084A	8	E1	7500 [†]	2286.0	1755.0	796.1	.064 1.63	.575 10.81	432 1922	5.75 146.05
	1085A	12	E1	5000 [†]	1524.0	1735.0	787.0	.064 1.63	.714 18.14	636 2829	7.15 181.61
	1092A	16	E1	Bulk ^{††}	Bulk	—	—	.064 1.63	.793 20.14	841 3741	7.90 200.66
	1086A	24	E1	2500 [†]	762.0	1602.5	726.9	.074 1.88	.992 25.20	1250 5561	9.90 251.46
	3067A	36	E1	Bulk ^{††}	Bulk	—	—	.074 1.88	1.292 32.82	1875 6273	13.00 330.20

[†]Final put-up length may vary ±10% from length shown.^{††}Bulk = Check length available for specific construction.

E1 = Refer to Technical Information section for color code.

Alternate color coding available upon request.

Multiple pair or triad cables have each pair/triad numbered for ease of identification.

To Specify:

1234	A	E
Start with Part No.	Add or replace letter code for desired conductor, insulation & jacket	Add for Exposed Run rating if desired

Conductor, Insulation and Jacket Options**

Bare	Tinned	Insulation/Jacket
A	B	PVC/PVC
C	D	XLPE/PVC
K	L	TPE/TPE
Q	R	XLPE/CPE
S	T	XLPE/Haloarrest®

**For 1000 and 3000 Series cables only.

BELDEN