



## PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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### Royal<sup>®</sup> 300V PVC/PVC TRIADS, STOS, TYPE PLTC/ITC

#### Construction Parameters:

**CONDUCTOR:** 16 AWG Class B stranded bare copper per ASTM B-3 and B-8  
**INSULATION:** Premium Grade Polyvinyl Chloride (PVC)  
**COLOR CODE:** Black/White/Red; Alpha-numeric print; alternate & inverted  
**COMMUNICATIONS CDR.** 22 AWG PVC (Orange) Communications Conductor included.  
**SHIELDING** Individual and overall 100% coverage, aluminum/polyester foil shield, with individual and overall tinned copper drain wire  
**JACKET:** Black sunlight and moisture resistant Polyvinyl Chloride (PVC)  
**PRINT LEGEND:** CCI ROYAL XX AWG XX SHIELDED TRIADS PVC/PVC TYPE PLTC/ITC E176494 (UL) 105C SUN RES FT4/IEEE 1202 --- SEQUENTIAL MARKING

#### PHYSICAL PROPERTIES:

**OPERATING TEMPERATURE RANGE:** -30 °C to 105 °C  
**SUNLIGHT RESISTANT:** Yes

#### ELECTRICAL PROPERTIES:

**VOLTAGE RATING:** 300V rms, Max

#### Industry Approvals:

- o UL Standard 13 Type PLTC
- o UL Standard 2250 Type ITC
- o NEC Article 336
- o Passes FT4/IEEE 1202 Flame Test
- o Passes IEEE 383 Flame Test (70,000 btu)
- o EPA 40 CFR, Part 26, Subpart C, heavy metals per Table 1, TCLP method

Part Number	Gauge	No. Triads	Stranding	Insulation Wall, Nom.		Jacket Wall, Nom.		O.D., Nom.		Net Weight	
				Inches	mm	Inches	mm	Inches	mm	Lb./kft.	kg/km
779402	16	2	7/0.0192	0.015	0.38	0.065	1.65	0.534	13.56	148	220
779404	16	4	7/0.0192	0.015	0.38	0.075	1.91	0.645	16.38	249	371
779408	16	8	7/0.0192	0.015	0.38	0.075	1.91	0.801	20.35	414	616
779412	16	12	7/0.0192	0.015	0.38	0.085	2.16	1.012	25.70	634	943
779416	16	16	7/0.0192	0.015	0.38	0.085	2.16	1.109	28.17	798	1188
779424	16	24	7/0.0192	0.015	0.38	0.097	2.46	1.398	35.51	1196	1780

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.

This product complies with European Directive 2011/65/EU (RoHS-2)  
The customer will accept all factory lengths and +/- 10 percent of total order requested.

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