



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal[®] 300V PVC/PVC TRIADS, TOS, 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 Overall 100% coverage, aluminum/polyester foil shield with a 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
779401	16	1	7/0.0192	0.015	0.38	0.052	1.32	0.306	7.77	64	95
772002	16	2	7/0.0192	0.015	0.38	0.065	1.65	0.528	13.41	136	202
772004	16	4	7/0.0192	0.015	0.38	0.065	1.65	0.609	15.47	211	314
772008	16	8	7/0.0192	0.015	0.38	0.075	1.91	0.782	19.86	461	686
772012	16	12	7/0.0192	0.015	0.38	0.085	2.16	0.988	25.10	557	829
772016	16	16	7/0.0192	0.015	0.38	0.085	2.16	1.088	27.64	699	1040
772024	16	24	7/0.0192	0.015	0.38	0.097	2.46	1.372	34.85	1042	1551
772036	16	36	7/0.0192	0.015	0.38	0.097	2.46	1.566	39.78	1469	2186

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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