



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal[®] 300V PVC/PVC TRIADS, STOS, TYPE PLTC/ITC

Construction Parameters:

CONDUCTOR: 20 AWG - 18 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
779602	20	2	7/0.0121	0.015	0.38	0.052	1.32	0.440	11.18	91	135
779604	20	4	7/0.0121	0.015	0.38	0.065	1.65	0.510	12.95	138	205
779608	20	8	7/0.0121	0.015	0.38	0.075	1.91	0.683	17.35	255	379
779612	20	12	7/0.0121	0.015	0.38	0.075	1.91	0.791	20.09	334	497
779616	20	16	7/0.0121	0.015	0.38	0.075	1.91	0.874	22.20	421	627
779624	20	24	7/0.0121	0.015	0.38	0.085	2.16	1.098	27.89	626	932
772402	18	2	7/0.0152	0.015	0.38	0.065	1.65	0.484	12.29	115	171
772404	18	4	7/0.0152	0.015	0.38	0.065	1.65	0.562	14.27	178	265
772408	18	8	7/0.0152	0.015	0.38	0.075	1.91	0.735	18.67	317	472
772412	18	12	7/0.0152	0.015	0.38	0.075	1.91	0.884	22.45	449	668
772416	18	16	7/0.0152	0.015	0.38	0.085	2.16	0.992	25.20	586	872
772424	18	24	7/0.0152	0.015	0.38	0.085	2.16	1.218	30.94	836	1244

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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