



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal[®] 300V PVC/PVC PAIRS, SPOS, TYPE PLTC/ITC

Construction Parameters:

CONDUCTOR:	18 AWG - 16 AWG Class B stranded bare copper per ASTM B-3 and B-8
INSULATION:	Premium Grade Polyvinyl Chloride (PVC)
COLOR CODE:	Black/ White; 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 a tinned copper drain wire
JACKET:	Black sunlight and moisture resistant Polyvinyle Chloride (PVC)
PRINT LEGEND:	CCI ROYAL XX AWG XX SHIELDED PAIRS 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. Pairs	Stranding	Insulation Wall, Nom.		Jacket Wall, Nom.		O.D., Nom.		Net Weight	
				Inches	mm	Inches	mm	Inches	mm	Lb./kft.	kg/km
777502	18	2	7/0.0152	0.015	0.38	0.052	1.32	0.401	10.19	83	124
777504	18	4	7/0.0152	0.015	0.38	0.065	1.65	0.490	12.45	139	207
777508	18	8	7/0.0152	0.015	0.38	0.065	1.65	0.605	15.37	229	341
777512	18	12	7/0.0152	0.015	0.38	0.075	1.91	0.722	18.34	333	496
777524	18	24	7/0.0152	0.015	0.38	0.085	2.16	0.955	24.26	601	894
777536	18	36	7/0.0152	0.015	0.38	0.085	2.16	1.082	27.48	851	1266
777402	16	2	7/0.0192	0.015	0.38	0.052	1.32	0.443	11.25	106	158
777404	16	4	7/0.0192	0.015	0.38	0.065	1.65	0.539	13.69	182	271
777408	16	8	7/0.0192	0.015	0.38	0.075	1.91	0.690	17.53	323	481
777412	16	12	7/0.0192	0.015	0.38	0.075	1.91	0.799	20.29	450	670
777424	16	24	7/0.0192	0.015	0.38	0.085	2.16	1.154	29.31	833	1240
777436	16	36	7/0.0192	0.015	0.38	0.085	2.16	1.194	30.33	1167	1737
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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