



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal[®] 300V PVC/PVC PAIRS, POS, 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 Overall 100% coverage, aluminum/polyester foil shield with tinned copper drain wire
JACKET: Black sunlight and moisture resistant Polyvinyl 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:

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
776501	18	1	7/0.0152	0.015	0.38	0.052	1.32	0.258	6.55	38	57
776502	18	2	7/0.0152	0.015	0.38	0.052	1.32	0.385	9.78	72	107
776504	18	4	7/0.0152	0.015	0.38	0.052	1.32	0.440	11.18	107	159
776508	18	8	7/0.0152	0.015	0.38	0.065	1.65	0.575	14.61	191	284
776512	18	12	7/0.0152	0.015	0.38	0.075	1.91	0.668	16.97	264	393
776524	18	24	7/0.0152	0.015	0.38	0.075	1.91	0.875	22.23	463	689
776536	18	36	7/0.0152	0.015	0.38	0.085	2.16	1.036	26.31	696	1036
776401	16	1	7/0.0192	0.015	0.38	0.052	1.32	0.282	7.16	49	73
776402	16	2	7/0.0192	0.015	0.38	0.052	1.32	0.407	10.34	84	125
776404	16	4	7/0.0192	0.015	0.38	0.065	1.65	0.516	13.11	154	229
776408	16	8	7/0.0192	0.015	0.38	0.075	1.91	0.662	16.81	270	402
776412	16	12	7/0.0192	0.015	0.38	0.075	1.91	0.770	19.56	372	554
776424	16	24	7/0.0192	0.015	0.38	0.085	2.16	1.033	26.24	659	981
776436	16	36	7/0.0192	0.015	0.38	0.085	2.16	1.168	29.67	969	1442

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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