



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

1530 Shields Drive
Waukegan, IL 60085
Toll-Free (800) 323-9355
Fax: (847) 689-1192

Royal[®] 300V PVC/PVC TRIADS, TOS, 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 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 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
779601	20	1	7/0.0121	0.015	0.38	0.052	1.32	0.250	6.35	31	46
778602	20	2	7/0.0121	0.015	0.38	0.052	1.32	0.340	8.64	51	76
778604	20	4	7/0.0121	0.015	0.38	0.065	1.65	0.498	12.65	126	188
778608	20	8	7/0.0121	0.015	0.38	0.075	1.91	0.670	17.02	232	345
778612	20	12	7/0.0121	0.015	0.38	0.075	1.91	0.774	19.66	279	415
778616	20	16	7/0.0121	0.015	0.38	0.075	1.91	0.856	21.74	376	560
778624	20	24	7/0.0121	0.015	0.38	0.085	2.16	1.072	27.23	558	830
778636	20	36	7/0.0121	0.015	0.38	0.085	2.16	1.146	29.11	688	1024
779501	18	1	7/0.0152	0.015	0.38	0.052	1.32	0.270	6.86	46	68
779502	18	2	7/0.0152	0.015	0.38	0.065	1.65	0.496	12.60	103	153
779504	18	4	7/0.0152	0.015	0.38	0.065	1.65	0.547	13.89	159	237
779508	18	8	7/0.0152	0.015	0.38	0.075	1.91	0.716	18.19	281	418
779512	18	12	7/0.0152	0.015	0.38	0.075	1.91	0.861	21.87	396	589
779516	18	16	7/0.0152	0.015	0.38	0.085	2.16	0.974	24.74	517	769
779524	18	24	7/0.0152	0.015	0.38	0.085	2.16	1.192	30.28	732	1089
779536	18	36	7/0.0152	0.015	0.38	0.097	2.46	1.384	35.15	1057	1573

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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