



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal[®] 600V EPR/CPE PAIRS, SPOS, TYPE TC-ER

Construction Parameters:

CONDUCTOR: 18 AWG - 16 AWG Class B stranded tinned copper per ASTM B-33 and B-8
INSULATION: Flame-retardant Ethylene Propylene Rubber (EPR)
COLOR CODE: Black/ White; Alpha-numeric print; alternate & inverted
SHIELDING: Individual and overall 100% coverage, tinned copper drain wire with an aluminum/polyester foil shield
JACKET: Black sunlight and moisture resistant, flame-retardant Thermoplastic Chlorinated Polyethylene (CPE)
PRINT LEGEND: CCI ROYAL XX AWG XX SHIELDED PAIRS EPR/CPE TYPE TC-ER E79496 (UL) 600V 90C DRY/90C WET OIL RES I
SUNLIGHT RESISTANT DIRECT BURIAL FT4/IEEE 1202 -- SEQUENTIAL MARKING

PHYSICAL PROPERTIES:

TEMPERATURE RANGE: -30 °C to 90 °C; (90 °C Dry/90 °C Wet)
OIL RESISTANCE: OIL RES I
SUNLIGHT RESISTANT: Yes
DIRECT BURIAL: Yes

ELECTRICAL PROPERTIES:

VOLTAGE RATING: 600V rms, Max

Industry Approvals:

- o UL Standard 1277 Type TC-ER
- o NEC Article 336
- o Passes UL 1685 Flame Test
- o Passes FT4/IEEE 1202 Flame Test
- o Passes IEEE 383 Flame Test (70,000 btu)
- o ICEA S-73-532
- 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
791882	18	2	7/0.0152	0.030	0.76	0.045	1.14	0.487	12.37	93	138
791884	18	4	7/0.0152	0.030	0.76	0.060	1.52	0.622	15.80	172	256
791888	18	8	7/0.0152	0.030	0.76	0.060	1.52	0.744	18.90	279	415
791877	18	12	7/0.0152	0.030	0.76	0.080	2.03	0.916	23.27	424	631
791894	18	24	7/0.0152	0.030	0.76	0.080	2.03	1.480	37.59	790	1176
791896	18	36	7/0.0152	0.030	0.76	0.080	2.03	1.424	36.17	1135	1689
791682	16	2	7/0.0192	0.030	0.76	0.045	1.14	0.474	12.04	133	198
791684	16	4	7/0.0192	0.030	0.76	0.060	1.52	0.629	15.98	211	314
791688	16	8	7/0.0192	0.030	0.76	0.080	2.03	0.860	21.84	403	600
791677	16	12	7/0.0192	0.030	0.76	0.080	2.03	1.004	25.50	554	824
791694	16	24	7/0.0192	0.030	0.76	0.080	2.03	1.383	35.13	1068	1589
791696	16	36	7/0.0192	0.030	0.76	0.080	2.03	1.962	49.83	1545	2299

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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Specification Issue Date: March 26, 2013