



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal[®] 600V XLPE/PVC PAIRS, SPOS, TYPE TC-ER

Construction Parameters:

CONDUCTOR: 18 AWG - 16 AWG Class B stranded bare copper per ASTM B-3 and B-8
INSULATION: Flame-retardant Cross-linked Polyethylene (XLPE)
COLOR CODE: Black/ White; Alpha-numeric print; alternate & inverted
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 PAIRS XLPE/PVC TYPE TC-ER E79496 (UL) 600V 90C DRY/90C WET SUNLIGHT RESISTANT OIL RES I DIRECT BURIAL -- SEQUENTIAL MARKING

PHYSICAL PROPERTIES:

OPERATING 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 IEEE 383 Flame Test (70,000 btu)
- o ICEA S-73-532
- o EPA 40 CFR, Part 261, Subpart C, heavy metals per Table 1, TCLP method

Part Number	AWG	No. Pairs	Stranding	Insulation Wall, Nom.		Jacket Wall, Nom.		O.D., Nom.		Net Weight	
				Inches	mm	Inches	mm	Inches	mm	Lb./kft.	kg/km
787502	18	2	7/0.0152	0.030	0.76	0.045	1.14	0.487	12.37	94	140
787504	18	4	7/0.0152	0.030	0.76	0.045	1.14	0.646	16.41	166	247
787508	18	8	7/0.0152	0.030	0.76	0.060	1.52	0.744	18.90	281	418
787512	18	12	7/0.0152	0.030	0.76	0.080	2.03	0.916	23.27	428	637
787524	18	24	7/0.0152	0.030	0.76	0.080	2.03	1.239	31.47	797	1186
787536	18	36	7/0.0152	0.030	0.76	0.080	2.03	1.424	36.17	1142	1699
787402	16	2	7/0.0192	0.030	0.76	0.045	1.14	0.559	14.20	134	199
787404	16	4	7/0.0192	0.030	0.76	0.060	1.52	0.645	16.38	213	317
787408	16	8	7/0.0192	0.030	0.76	0.060	1.52	0.857	21.77	400	595
787412	16	12	7/0.0192	0.030	0.76	0.080	2.03	1.004	25.50	558	830
787424	16	24	7/0.0192	0.030	0.76	0.080	2.03	1.383	35.13	1076	1601
787436	16	36	7/0.0192	0.030	0.76	0.080	2.03	1.593	40.46	1555	2314

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.

This product complies with European Directive 2002/95/EC (RoHS)

The customer will accept all factory lengths and +/- 10 percent of total order requested.

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