



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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

Construction Parameters:

CONDUCTOR: 14 AWG - 10 AWG Class B stranded tinned copper per ASTM B-33 and B-8
INSULATION: Flame-Retardant Ethylene Propylene Rubber (EPR)
COLOR CODE: ICEA Method 1, Table E-2
SHIELDING Overall 100% coverage, aluminum/polyester foil shield
JACKET: Black sunlight and moisture resistant flame-retardant thermoplastic Chlorinated Polyethylene (CPE)
PRINT LEGEND: CCI ROYAL XX AWG X/C SHIELDED EPR/CPE TYPE TC-ER XHHW-2 CDRS 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 UL 44 XHHW-2 Conductors
- o NEC Article 336
- o ICEA S-73-532
- o UL 1685 Flame Test
- o FT4/IEEE 1202 Flame Test
- o 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. Cond.	Stranding	Insulation Wall, Nom.		Jacket Wall, Nom.		O.D., Nom.		Net Weight	
				Inches	mm	Inches	mm	Inches	mm	Lb./kft.	kg/km
791462 *	14	2	7/0.0242	0.030	0.76	0.045	1.14	0.368	9.35	76	113
791463	14	3	7/0.0242	0.030	0.76	0.045	1.14	0.390	9.91	97	144
791464	14	4	7/0.0242	0.030	0.76	0.045	1.14	0.425	10.80	120	179
791465	14	5	7/0.0242	0.030	0.76	0.045	1.14	0.463	11.76	143	213
791467	14	7	7/0.0242	0.030	0.76	0.045	1.14	0.533	13.54	202	301
791472	14	12	7/0.0242	0.030	0.76	0.045	1.14	0.688	17.48	320	476
791479	14	19	7/0.0242	0.030	0.76	0.060	1.52	0.800	20.32	470	699
791262 *	12	2	7/0.0305	0.030	0.76	0.045	1.14	0.412	10.46	103	153
791263	12	3	7/0.0305	0.030	0.76	0.045	1.14	0.437	11.10	134	199
791264	12	4	7/0.0305	0.030	0.76	0.045	1.14	0.478	12.14	167	249
791265	12	5	7/0.0305	0.030	0.76	0.045	1.14	0.552	14.02	215	320
791267	12	7	7/0.0305	0.030	0.76	0.060	1.52	0.599	15.21	282	420
791272	12	12	7/0.0305	0.030	0.76	0.060	1.52	0.780	19.81	450	670
791062 *	10	2	7/0.0385	0.030	0.76	0.060	1.52	0.454	11.53	141	210
791063	10	3	7/0.0385	0.030	0.76	0.060	1.52	0.482	12.24	186	277
791064	10	4	7/0.0385	0.030	0.76	0.060	1.52	0.559	14.20	247	368
791065	10	5	7/0.0385	0.030	0.76	0.060	1.52	0.609	15.47	294	438
791067	10	7	7/0.0385	0.030	0.76	0.060	1.52	0.662	16.81	390	580

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

* 2 conductor not -ER

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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