



## 4 Conductor RW90 1000V CSA FT4 TC

4C	Part No.	Power Conductor	Bonding Conductor	Insulation Thickness		Jacket Thickness		Cable O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
		AWG/kcmil	AWG	in	mm	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	A
	8210804BBG-PV4	8	10	0.045	1.1	0.060	1.5	0.688	17.5	420	625	606	275	6.2	157	44
	8210604BBG-PV4	6	8	0.060	1.5	0.080	2.0	0.892	22.7	642	956	839	381	8.0	204	60
	8210404BBG-PV4	4	8	0.060	1.5	0.080	2.0	1.027	26.1	889	1323	1335	607	9.2	235	76
	8210304BBG-PV4	3	6	0.060	1.5	0.080	2.0	1.097	27.9	1073	1596	1684	765	9.9	251	92
	8210204BBG-PV4	2	6	0.060	1.5	0.080	2.0	1.175	29.9	1275	1898	2125	966	10.6	269	104
	8210104BBG-PV4	1	6	0.080	2.0	0.080	2.0	1.325	33.7	1614	2402	2681	1218	11.9	303	116
	82101/004BBG-PV4	1/0	6	0.080	2.0	0.080	2.0	1.410	35.8	1950	2902	3375	1534	12.7	322	136
	82102/004BBG-PV4	2/0	6	0.080	2.0	0.080	2.0	1.504	38.2	2317	3448	4259	1936	13.5	344	156
	82103/004BBG-PV4	3/0	4	0.080	2.0	0.080	2.0	1.613	41.0	2862	4259	5372	2442	14.5	369	180
	82104/004BBG-PV4	4/0	4	0.080	2.0	0.110	2.8	1.832	46.5	3591	5344	6767	3076	16.5	419	208
	82125004BBG-PV4	250	4	0.090	2.3	0.110	2.8	2.016	51.2	4307	6410	8000	3636	18.1	461	232
	82130004BBG-PV4	300	4	0.090	2.3	0.110	2.8	2.146	54.5	5025	7478	9590	4359	19.3	491	256
	82135004BBG-PV4	350	3	0.090	2.3	0.110	2.8	2.296	58.3	5801	8633	11209	5095	20.7	525	280
	82140004BBG-PV4	400	3	0.090	2.3	0.110	2.8	2.357	59.9	6487	9654	12806	5821	21.2	539	344
	82150004BBG-PV4	500	2	0.090	2.3	0.110	2.8	2.583	65.6	7953	11836	15987	7267	23.2	590	380
	82160004BBG-PV4	600	2	0.090	2.3	0.110	2.8	2.682	68.1	9326	13879	19209	8731	24.1	613	428
	82175004BBG-PV4	750	2	0.090	2.3	0.140	3.6	3.187	81.0	11706	17421	24007	10912	28.7	729	492

Ampacity values based on CE Code Part I 2021, Table 2. Correction factors may apply. Dimensions and weights are nominal and subject to change without notice.

### Specifications and Compliances

- CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RW90)
- CSA C22.2 No. 230, Tray Cables (Standard TC rated. TC-ER Optional)
- CSA C22.2 No. 2556 FT4, IEEE 1202/UL 1685 Vertical-Tray Flame Test
- -40°C Cold Bend and -40°C Cold Impact
- SUN RES all colours

**Conductor** Stranded Bare Soft Copper, ASTM B8

**Insulation** Cross-linked Polyethylene Insulation (XLPE)  
CSA Type XL 90°C dry/wet 1000V

**Jacket** Low Acid Gas Polyvinyl Chloride (PVC)

**Colour Code** Black, White, Red and Blue or  
Black with White printed number

**Bonding** Green Insulated Stranded Bare Soft Copper, ASTM B8

### Applications

- For wet and dry locations.
- For use in raceways, including cable trays, Ventilated, non-ventilated, ladder tray and direct burial.
- To be used for exposed and concealed wiring or where subjected to the weather.
- For Hazardous Locations Class I-Zone 0 Intrinsically safe Div. 2, Class II-Zone 2 Div. 2 and Class III-Div. 2.
- Cables marked TC-ER tray cable are permitted to transition between cable trays, and utilization equipment or devices as per CE Code Part I 12-2202 2) and 3).

