



Tri-Rated Panel Wire to BS6231, UL 758, CSA 22.2 and EN 50525-2-31 H05V2-K / H07V2-K / 07V2-K

- Applications:** High temperature cable used in switchgear, controlgear and instrumentation gear
- Conductors:** Plain annealed flexible copper
- Sheath/Jacket:** PVC (Polyvinyl chloride) heat resistant
- Colour:** Black, blue, brown, green/yellow, grey, orange, pink, red, violet, white & yellow
- Voltage:**
 BS6231 – 600/1000V
 UL & CSA – 600V
 EN 50525-2-31 – 300/500V (H05V2-K, 0.5-1.0mm²)
 450/750V (H07V2-K, 1.5-35mm²)
 450/750V (07V2-K, 50-400mm²)
- Operating Temperature:** BS6231 - 90°C or 105°C for 15,000 hours
 UL & CSA - 105°C, EN50525-2-31 - 90°C
- Min bending radius:** 6 x overall diameter
- Standards:**
 0.5 – 240mm² : BS6231 Single core PVC insulated flexible cables of rated voltage 600/1000V for switchgear and control gear wiring
 0.5 – 300mm² : UL (Underwriters laboratories)
 0.5 – 120mm² : CSA (Canadian Standards Association)
 0.5 – 1.0mm² : BS EN 50525-2-31 (H05V2-K)
 1.5 – 35mm² : BS EN 50525-2-31 (H07V2-K)
 50 – 400mm² : gen to BS EN 50525-2-31 (07V2-K)



Size (sqmm)	Approx. nominal overall diameter (mm)	Approx. weight (kg/km)	Red	Black	Green/Yellow	Blue	Brown	Violet	Pink	White	Orange	Grey	Green	Yellow
0.5	2.5	11	38001	38003	38008	38005	38009	38035	38037	38010	38040	38006	38043	38032
0.75	2.75	14	38012	38013	38021	38026	38022	38023	38025	38019	38024	38015	38020	38016
1.0	2.85	17	38028	38031	38046	38033	38036	38130	38048	38042	38047	38034	38227	38039
1.5	3.05	22	38051	38052	38065	38056	38054	38061	38060	38058	38062	38059	38063	38057
2.5	3.55	32	38079	38081	38096	38085	38083	38091	38097	38090	38092	38089	38093	38088
4	4.05	47	38100	38102	38114	38106	38104	38105	-	38109	38116	38110	38112	38108
6	4.65	66	38122	38124	38136	38134	38129	-	-	38126	38011	38128	38087	38132
10	6.35	117	38140	38141	38153	38145	38143	-	-	38154	-	38148	38133	38146
16	8.05	185	38157	38160	38167	38164	38169	-	-	38041	-	38159	-	38161
25	9.35	280	38173	38176	38184	38185	38177	-	-	38045	-	38225	38182	38179
35	10.75	382	38188	38189	38192	38191	38038	-	-	38050	-	38070	-	38190
50	13	540	38193	38194	38196	38195	38069	-	-	-	-	38072	-	38068
70	14.9	830	38197	38198	38200	38201	38082	-	-	-	-	38075	-	38118
95	16.4	970	38202	38205	38127	38002	38107	-	-	-	-	38080	-	-
120	17.85	1145	38208	38207	38055	38095	38111	-	-	-	-	38113	-	-
150	20.2	1413	-	38000	38174	-	-	-	-	-	-	-	-	-
185	20.05	1705	-	38178	38180	-	-	-	-	-	-	-	-	-
240	24.3	2255	-	38183	38144	-	-	-	-	-	-	-	-	-
300	27.4	2870	-	38199	-	-	-	-	-	-	-	-	-	-
400	31.6	3650	-	38121	-	-	-	-	-	-	-	-	-	-