

EVAVB /EVAVB-F2



Construction

Conductor: Class 2 Stranded Plain Copper

Insulation: Polyvinyl chloride (PVC)

Inner Sheath (Bedding): Extruded polymer compound.

Aarmor & Screen: Two layers of steel tape with underlying copper wires

Outer Sheath: Polyvinyl chloride (PVC)

Applications

EVAVB cable is applied in industrial plants and power networks for fixed installations and is suitable for underground laying, as well as in cable ducts, conduits, and trenches where robust protection is required. The EVAVB-F2 type featuring flame-retardant properties. The outer sheath of the EVAVB-F2 cable is made from a specialized flame-retardant PVC material that meets the stringent requirements of NBN C 30-004 F2 class, enabling it to resist vertical flame spread.

Standards

IEC 60038/BS 6622

Specification

Maximum Conductor Temperature:	under normal (90 °C), emergency (130 °C)
Max. temperature during short circuit(≤5S)	250
Minimum Bending Radius	15(Multi Core); 20x (SingleCore)

Technical Data

Nominal Cross-Section	Conduct or Shape	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Weight	Max. Conductor Resistance at 20° C	Current Capacity in Air at 30°C	Current Capacity Buried at 20°C
(No. of Cores x mm ²)		(mm)	(mm)	(mm)	(kg/km)	(/km)	(A)	(A)
3 x 1.5	rm	0.8	1.8	13.5	345	12.1	21	29
3 x 2.5	rm	0.8	1.8	14.5	420	7.41	28	38
3 x 4	rm	0.8	1.8	15.5	520	4.61	38	51
3 x 6	rm	0.8	1.8	16.5	655	3.08	49	64
3 x 10	rm	1.0	1.8	19.0	915	1.83	68	85
3 x 16	rm	1.0	1.8	21.0	1250	1.15	90	110
3 x 25	rm	1.2	1.8	25.0	1850	0.727	119	141
3 x 35	rm	1.2	1.8	27.0	2390	0.524	147	170
3 x 50	sm	1.4	1.9	29.5	3100	0.387	175	198
3 x 70	sm	1.4	2.1	33.5	4300	0.268	224	248
3 x 95	sm	1.6	2.3	38.0	5800	0.193	276	295
3 x 120	sm	1.6	2.4	41.0	7100	0.153	319	335
3 x 150	sm	1.8	2.6	45.0	8700	0.124	368	375
3 x 185	sm	2.0	2.8	50.0	10600	0.0991	426	425
3 x 240	sm	2.2	3.1	56.0	13600	0.0754	505	490
4 x 1.5	rm	0.8	1.8	14.5	395	12.1	21	29
4 x 2.5	rm	0.8	1.8	15.5	490	7.41	28	38
4 x 4	rm	0.8	1.8	17.0	620	4.61	38	51
4 x 6	rm	0.8	1.8	18.0	780	3.08	49	64
4 x 10	rm	1.0	1.8	21.0	1100	1.83	68	85
4 x 16	rm	1.0	1.8	23.0	1500	1.15	90	110
4 x 25	rm	1.2	2.0	27.5	2250	0.727	119	141
4 x 35	rm	1.2	2.1	30.0	2900	0.524	147	170