



Application

- ✓ Low-tension electric wire for automobiles.
- ✓ Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Annealed Tinned copper conductor
- Conductor construction according to ISO 6722-1
- ✓ Insulation : ETFE (Ethylene tetrafluoroethylene) with properties according to ISO 6722-1 Class E
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range : - 40°C to +165°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ Standard : ISO 6722 Class E (Thin Wall)
MBN LV 112-1
- ✓ Voltage : 60V

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Good mechanical & thermal properties
- ✓ Excellent chemical resistance
- ✓ Extra flexibility.



ISO 9001	ISO 14001	IATF 16949	AS 9100	ISO 45001	IRIS™ Certification

Part Number	Conductor Construction				Insulation Wall Thickness Min.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
B69505XX*	0.35	7	0.27	0.80	0.20	1.3	4.6	13	55.5	1000
B69506XX	0.5	19	0.19	1.00	0.22	1.6	6.3	16	38.2	1000
B69508XX	0.75	19	0.24	1.20	0.24	1.9	9.2	22	25.4	1000
B69510XX	1	19	0.27	1.35	0.24	2.1	12	26	19.1	1000
B69513XX	1.5	19	0.33	1.70	0.24	2.4	17	33	13.0	1000
B69516XX	2.5	19	0.41	2.20	0.28	3.0	27	47	7.82	1000
B69519XX	4	37	0.38	2.75	0.32	3.7	43	64	4.85	1000
B69523XX	6	37	0.45	3.40	0.32	4.3	63	83	3.23	1000

Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

- ✓ Current carrying capacity given is for the maximum conductor operating temperature of 165°C and ambient air temperature of 40°C.
- ✓ * Other length as per customer order.



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