

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 : Soft-annealed electrolytic Copper E-Cu ETP1 according to DIN 13602, bare conductor
- ✓ Insulation : TPE-S (Thermoplastic polystyrene polymer)
- ✓ Outer Sheath : TPE-U (Thermoplastic polyurethane elastomer with especially high resistance to hydrolysis)
- ✓ Colour : As per customer order.
- ✓ Multicore

Technical Data

- ✓ Temperature Range : - 40°C to +125°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ FL : Automotive Cable
- ✓ R: Reduced wall thickness
- ✓ 31Y: TPE- S
- ✓ 11Y: TPE-U
- ✓ Standard : Similar to ISO 6722, Class C

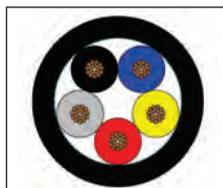
Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.
- ✓ Extra flexibility.

Automotive Cables

FLR31Y11Y

2D View



Approvals Accreditations Certifications



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Part Number	Conductor Construction					Insulation Wall Thickness Nom.	Outer Sheath Thickness Nom.	Cable		Max. conductor resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Core	No. of Strands	Diameter of Single wire max.	Conductor Diameter Nom.			Overall Diameter Max.	Weight Approx.		
	mm ²	mm ²	nos.	mm	mm	mm	mm	mm	kg/km	Ω/km	mtrs
8580602	0.5	2	28	0.16	1.0	0.30	0.7	4.7	38	37.1	500
8580602	0.5	2	28	0.16	1.0	0.30	1.0	5.2	45	37.1	500
8580802	0.75	2	42	0.16	1.2	0.30	1.2	6.4	64	24.7	500
8580603	0.5	3	19	0.19	1.0	0.30	0.8	5.2	47	37.1	500
8580803	0.75	3	19	0.23	1.2	0.30	0.8	6.1	64	24.7	500
8581003	1	3	19	0.26	1.3	0.35	0.8	6.3	63	18.5	500
8580604	0.5	4	28	0.16	1.0	0.30	1.2	6.4	76	37.1	500

Note : XX*YY* : Please add last two digits in the part number as per the colour code given hereunder replacing XX YY 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 125°C and ambient air temperature of 40°C.

✓ * Other length as per Customer order.

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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