



## Application

- ✓ Wire harness of low-tension electric circuits for automobiles.
- ✓ Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- ✓ Especially used for circuits requiring heat resistance.

## Product Construction

- ✓ Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to JIS C 3102, bare conductor construction According to JASO D 608 (Reference).
- ✓ Insulation : Electron beam cross linked Polyethylene
- ✓ Colour : As per customer order.
- ✓ Single core

## Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Flexible conductor with Electron beam cross linked polyethylene super thin wall insulation for smaller diameter and lesser weight.
- ✓ Heat resistant.

Automotive  
Cables

AESSX

## Technical Data

- ✓ Temperature Range : - 40°C to +120°C (3000 Hours)
- ✓ Standard : JASO D 608 (Reference)
- ✓ Test Voltage : 1 kV
- ✓ A : Low tension cables for automobiles
- ✓ E : Polyethylene insulated
- ✓ SS : Very Thin wall type
- ✓ X : Cross linked

Approvals	Accreditations	Certifications

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Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable			Max. Conductor Resistance at 20°C	Current Carrying Capacity	Standard Length*				
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Approx.		Overall Diameter		Weight Approx.							
						Nom.	Max.								
	mm <sup>2</sup>	nos.	mm	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs				
81554XX*	0.85	19	0.24	1.2	0.3	1.8	1.9	10	21.7	20	1000				
81504XX	0.3	7	0.26	0.8	0.3	1.4	1.5	5	50.2	12	500				
81506XX	0.5	7	0.32	1.0	0.3	1.6	1.7	7	32.7	16	500				
81512XX	1.25	19	0.29	1.5	0.3	2.1	2.2	4	14.9	26	500				

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	

✓ \* Other length as per Customer order.

✓ Current Carrying capacity given is for the maximum conductor operating temperature of 120°C and ambient air temperature of 40°C.

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



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