

TECHNICAL DATA SHEET

SELECTION CRITERIA

AS PER JSS 51038

a) Conductor Material

Code	Material	Application	Quality Standard
S	Silver plated Copper	Soldered connection	ASTM B 298
N	Nickel plated Copper	Crimped connection	ASTM B 355
T	Tin plated Copper	Soldered connection	IS: 8130-84
B	Annealed bare Copper	Soldered/Crimped connection	IS: 8130-84

b) Insulation Material

Code	Material	Temperature range	Quality Standard
H	PTFE (wrapped)	-200°C to +260°C	MIL W 16878/JSS 51034
K	FEP (extruded)	-100°C to +200°C	MIL W 16878/JSS 51034
T	ETFE (extruded)	-100°C to +150°C	MIL-W-22759
F	PFA (extruded)	-200°C to +260°C	ASTM-D3307

c) Voltage Rating

Code	Rated Voltage	Test Voltage (1 minute) At core stage
ET	250 V	1.5 kV
E	600 V	2.0 kV
EE	1000 V	3.0

*Note: For high voltage corona resistance cables, the voltage rating is different.

d) Core Laying Manner

Code	Manner
C	Core
P	Pair
T	Triad
Q	Quad

e) Screened Material

Code	Material	Applicable with sheath Material
SB	Silver plated Copper braiding	With all sheath materials
NB	Nickel plated Copper braiding	With all sheath materials
TB	Tin plated Copper braiding	All sheaths, Except PTFE
MD	Mylar tape with ATC drain wire	All sheaths, Except PTFE

f) Sheat / jacket Material

Code	Material	Application	Quality Standard
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HS	PTFE (wrapped)	Higher temperature range +260°C	JSS 51038
KS	FEP (extruded)	Higher temperature range +200°C*	JSS 51038
FS	PFA (extruded)	Higher temperature range +260°C*	ASTM-D3307
PU	PUR (extruded)	Highest abrasion resistance +70°C	VDE 0282
PV	FRLS (extruded)	High abrasion resistance + 90°C	IS:5831-88

* Maximum cable diameter must be 8 mm

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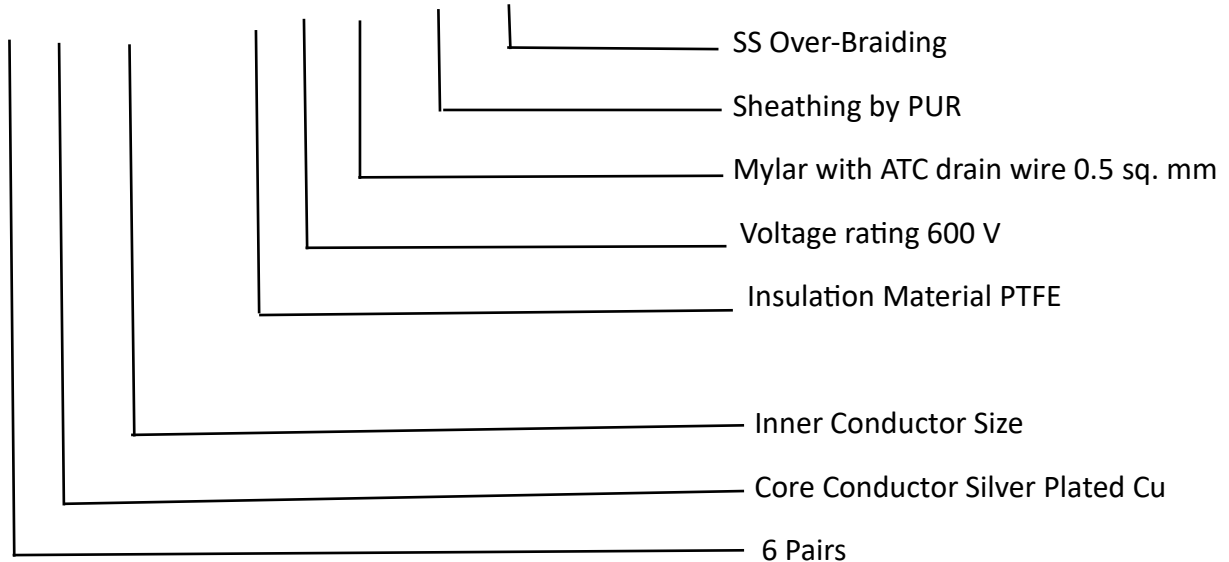
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Ordering Code

Example: 6PS20(1932)HEMDPUSS

6 pair AWG 20/19/32 Silver plated Copper conductor, PTFE Insulation, 600 V, screened by al-mylar tape with ATC drain wire, sheath by PUR, SS over braiding

6P - S - 20(1932) - H - E - MD - PU - SS*

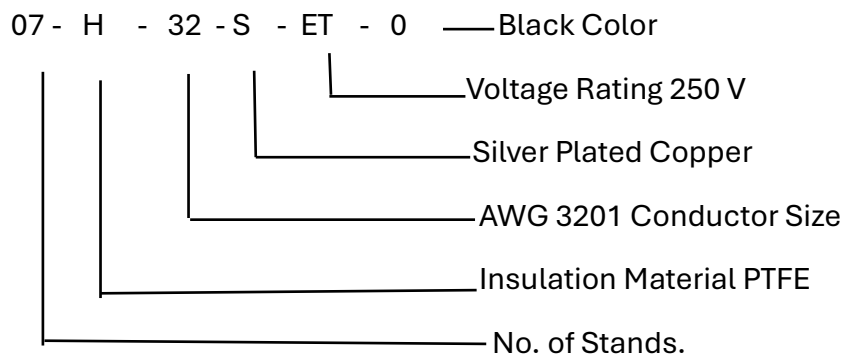


- *Optional

Example: 01 For Single core wire

07H32SET0

07 No. of Stands, PTFE insulation, AWG3201 Conductor size, Silver plated copper conductor, 250 V, Black Color



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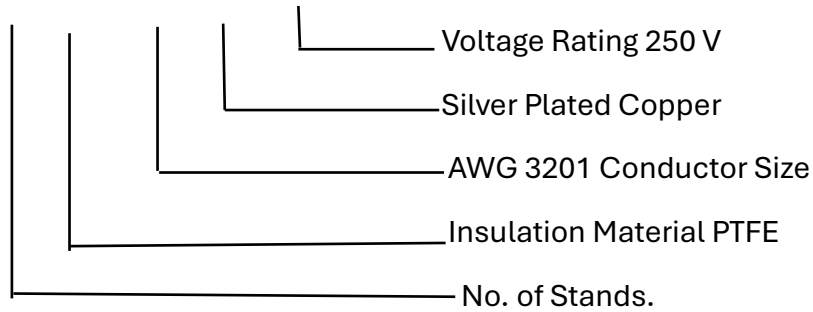
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Example: 02 For Stripping Color

07H32SET92

07 No. of Stands, PTFE insulation, AWG3201 Conductor size, Silver plated copper conductor, 250 V, White base / Red Stripping Color

07 - H - 32 - S - ET - 92 — White Base / Red Stripping

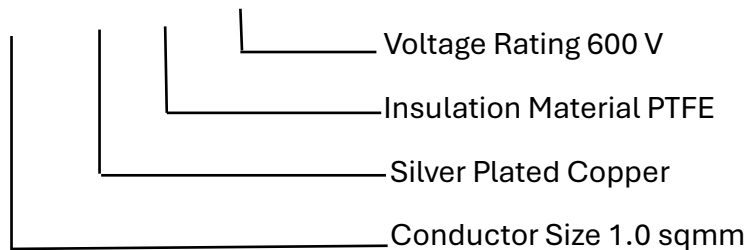


Example: 03 For Sqmm wire

01-00SHE1

1.00 sqmm (01-00), Silver plated copper conductor, PTFE insulation, 600 V, Color Brown

(01-00) - S - H - E - 1 — Brown



*In case if 0.5 sqmm , The coding will be (00-05).

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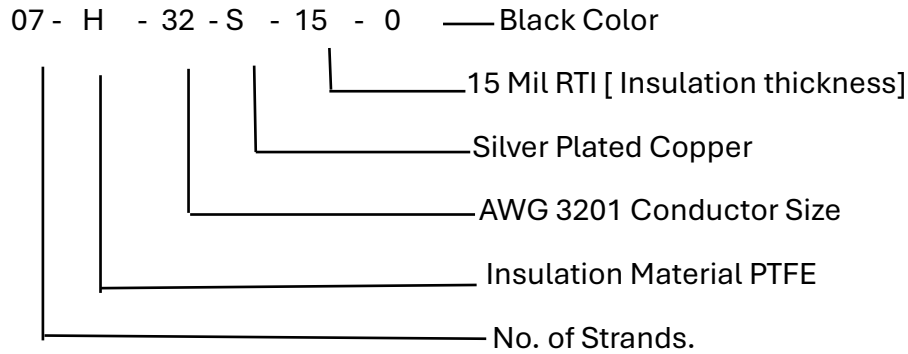


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Example: 04 for Non-Standard product.

07H32S150

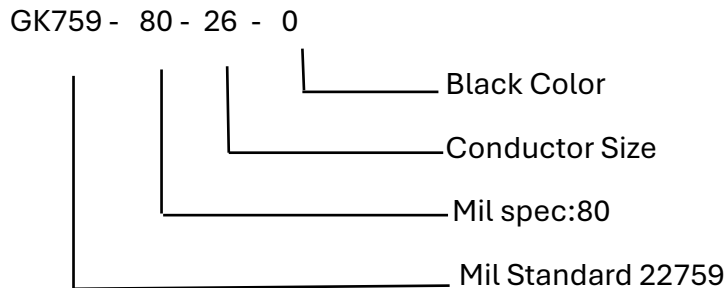
07 No. of Strands, PTFE insulation, AWG3201 Conductor size, Silver plated copper conductor, 15 Mil RTI insulation, Black Color



Example: 05 for mil Product

GK759/80-26-0

GK759 Standard, 80 spec, 26 conductor size, 00 Black color



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