

HR-501

HEAT RESISTANCE CABLE

**POLYIMIDE-PTFE-DOUBLE FIBER
GLASS-OVERALL POLYIMIDE ISOLATOR-
INNER PTFE-MICA -DOUBLE FIBER
GLASS-ASBESTOS BRAIDING -SS
BRAIDING 600°C**



JSS 51037, JSS 51038, IS 8130

Voltage Grade : 1100V

SPECIFICATIONS

Conductor	: Multistrand, Nickel Plated Copper, Pure Nickel
Core Insulation	: Polyimide Tape + PTFE Insulation + Double Fiber Glass Braiding
Construction	: Twisted
Isolator	: Polyimide Tape
Inner Sheath	: PTFE & Heat Barrier Mica Glass Tape
Outer Sheath	: Double Fiber Glass Braiding
Overall Braiding	: Asbestos Braiding & Stainless Steel Wire Braiding
Operating Temp.	: 600°C(Max)

FEATURES

- ✓ Max. Temp. Up to 600°C
- ✓ Excellent Heat Resistant
- ✓ Excellent Abrasion Resistance
- ✓ Excellent Flame Retardant
- ✓ Good Thermal Stability
- ✓ Good Chemical Resistivity

AVAILABLE OPTIONS

- ✓ Color Code as per Customer Requirement
- ✓ Metal Shielding

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Wire Type	No of Strands	Strand Dia (mm)	Cross Section Area (mm ²)	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Cable Diameter mm (Flat)	Nominal Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
HR501	Multistrand	7	0.3	0.5	0.9	Twisted	-	10.5	93.6
HR502	Solid	1	0.81	0.5	0.81	Twisted	-	10.5	93.6
HR503	Multistrand	7	0.37	0.75	1.1	Twisted	-	11.5	115.2
HR504	Solid	1	1	0.81	1	Twisted	-	11.5	129.6
HR505	Multistrand	7	0.43	1	1.3	Twisted	-	11.5	144
HR506	Multistrand	14	0.30	1.00	1.30	Twisted	-	11.5	144
HR507	Multistrand	3	0.71	1.20	1.42	Twisted	-	12.5	159.6
HR508	Multistrand	40	0.20	1.25	1.42	Twisted	-	12.5	165.6
HR509	Solid	1	1.30	1.30	1.30	Twisted	-	11.5	172.8
HR510	Multistrand	19	0.3	1.3	1.5	Twisted	-	13	172.8
HR511	Multistrand	48	0.20	1.50	1.55	Twisted	-	13	189.6
HR512	Multistrand	7	0.53	1.50	1.55	Twisted	-	13	189.6
HR513	Multistrand	21	0.30	1.50	1.55	Twisted	-	13	189.6
HR514	Multistrand	35	0.30	2.50	2.00	Twisted	-	14	264
HR515	Multistrand	56	0.30	4.00	2.60	Twisted	-	15.5	355.2
HR516	Multistrand	84	0.30	6.00	3.10	Twisted	-	16.5	478.8
HR517	Multistrand	140	0.30	10.00	4.20	Twisted	-	20.5	732
HR518	Multistrand	128	0.40	16.00	5.20	Twisted	-	22.5	1110
HR519	Solid	198	0.40	25.00	6.20	Twisted	-	26.5	1614
HR520	Multistrand	278	0.40	35.00	7.60	Twisted	-	30.5	2112

Note : Above parameters are considering 3 core cable
Above parameter based on 3 Core HR Cable, Minn 0.5 mm teflon Insulation and inner sheath thickness
> 10 Sqmm considered insulation thickness 1.00 mm

ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(HRXXX)	(XXX)	(XX)	(XXX)	(X)
501 to 520	NPC PN0	01 02 - 04	RB0 RYB CS0	T-(Twisted)

Note : NPC (Nickel Plated Copper), PN0 (Pure Nickel).
RB0 (Red - Black), RYB (Red - Yellow - Blue), CS0 (Customer specification)