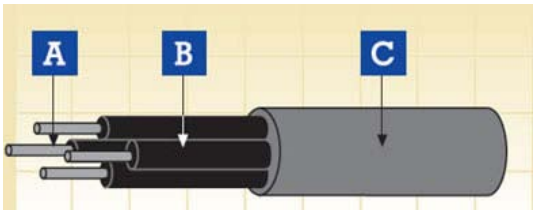
Super-thin Wall Multicore Cables
DT-RFE 750V



A. Conductor B. Insulation C. Sheath

Application

-Used as power and control cable for protected installations inside and outside of rail and transport vehicles, where handling and installation cost are an important factor.
-Used in control, auxillary and main circuit wiring such as cable harnesses, switchboards and control panels, driver desks etc.

Construction

Conductor

Tinned copper wires

Insulation

Electron beam crosslinkable LSZH compound

Sheath

TPU plastic sheath

Electrical & Mechanical Properties

Nominal Voltage	750V
Short Circuit Temperature (5s)	250°C
Operating Temperature	-60°C/+125°C
Minimum Bending Radius	3 x Overall Diameter (OD≤20mm) 5 x Overall Diameter (OD≥20mm)

Fire Performance

Flame Retardant	GB 12666-90 DZ-1
Low Corrosivity (Acidity & Conductivity)	GB/T17650.1-1998; GB/T17650.2-1998
Halogen Free	GB/T17650.1-1998; GB/T17650.2-1998
Low Smoke	GB/T17651.1-1998; GB/T17651.2-1998

DT-RFE 750V

Number of conductor×Nominal Cross-Sectional Area	Conductor Construction	Maximum Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	kg/km	Ω/km
2×0.5	19/0.18	3.84	34.0	40.1
3×0.5	19/0.18	3.97	42.5	40.1
4×0.5	19/0.18	4.60	53.5	40.1
5×0.5	19/0.18	4.82	68.1	40.1
6×0.5	19/0.18	5.06	70.5	40.1
7×0.5	19/0.18	5.40	79.0	40.1
8×0.5	19/0.18	5.96	90.5	40.1
2×0.75	19/0.23	4.14	39.0	26.7
3×0.75	19/0.23	4.71	53.5	26.7
4×0.75	19/0.23	5.16	66.0	26.7

Chinese Standard Rolling Stock Cables

Number of conductor×Nominal Cross-Sectional Area	Conductor Construction	Maximum Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	kg/km	Ω/km
5×0.75	19/0.23	5.56	77.8	26.7
6×0.75	19/0.23	5.76	92.8	26.7
7×0.75	19/0.23	6.15	104.0	26.7
8×0.75	19/0.23	6.76	117.0	26.7
2×1.0	19/0.26	4.38	45.0	20.0
3×1.0	19/0.26	5.00	63.0	20.0
4×1.0	19/0.26	5.51	77.5	20.0
5×1.0	19/0.26	5.96	93.0	20.0
6×1.0	19/0.26	6.26	111.5	20.0
7×1.0	19/0.26	6.60	126.0	20.0
8×1.0	19/0.26	7.36	143.0	20.0
2×1.5	19/0.32	5.04	52.5	13.7
3×1.5	19/0.32	5.88	82.5	13.7
4×1.5	19/0.32	6.14	105.5	13.7
5×1.5	19/0.32	6.96	120.0	13.7
6×1.5	19/0.32	7.56	144.75	13.7
7×1.5	19/0.32	7.80	164.5	13.7
8×1.5	19/0.32	8.46	185.0	13.7
2×2.0	19/0.37	6.10	63.7	10.0
3×2.0	19/0.37	6.41	94.7	10.0
4×2.0	19/0.37	7.14	122.5	10.0
5×2.0	19/0.37	8.14	152.2	10.0
6×2.0	19/0.37	8.65	181.9	10.0
7×2.0	19/0.37	8.86	210.7	10.0
8×2.0	19/0.37	9.56	240.4	10.0
2×2.5	19/0.41	6.60	77.5	8.21
3×2.5	19/0.41	7.16	118.0	8.21
4×2.5	19/0.41	8.06	142.5	8.21
5×2.5	19/0.41	9.06	169.0	8.21
6×2.5	19/0.41	9.77	213.2	8.21
7×2.5	19/0.41	10.26	240.0	8.21
8×2.5	19/0.41	11.26	280.0	8.21
2×4.0	19/0.52	7.70	111.0	5.00
3×4.0	19/0.52	8.21	160.65	5.00


Corona Resistant


Highly Flexible


UV Resistant


Ozone Resistant


Abrasion Retardant


Cold- resistant


Resistance To Soldering Heat


Acid&Alkaline Resistant


IRM 903
Fuel Oil Resistant


IRM 902
Mineral Oil Resistant


Fire Retardant
NF C32-070-2.2(C2)
IEC60332-3-24/EN50266-2-4


Flame Retardant
NF C32-070-2.1(C1)
IEC60332-1-2/EN50265-2-1


Low Toxicity
NF X70-100/NF F63 808
TM1-04/BS 6853


Low Corrosivity
IEC60754-2/EN50267-2-2/3
NF C32-074/VDE 0472-813


Low Smoke Emission
IEC 61034-2 / EN 50268-2
NF C32-073/VDE 0472-816

Zero Halogen
IEC 60754-1/EN 50267-2-1
NF C32-074//VDE 0472-815