RE-2Y(St)Yv-fl

APPLICATION

Used in communication and instrumentation applications in industries like oil exploration, cement, paper, steel, power generation as well as in intrinsically safe systems in hazardous areas like petrochemical plants and thermal power plants to monitor measuring equipment in process automation applications. HFFR types are less flammable in case of fire, mostly self extinguishing, have low smoke density and they do not emit poisonous and corrosive gasses during fire. Armoured types provide mechanical strength and protects the cable core against outer mechanical effects.

CONSTRUCTION

Conductor:	Stranded annealed copper wires (Class 2)
Insulation:	PE (Polyethylene)
Core Identification:	Black/White - For Pairs:Black/White Numbered
Lay-up:	Cores or Pairs stranded in layers
Seperator:	PET Foil
Overall Screen:	AL/PET Foil + Stranded Tinned Copper Drain Wire 7 x 0.3 mm
Sheath:	PVC (Polyvinyl Chloride)
Cable Color:	RAL9005-Black
Standard:	Based on EN 50288-7

TECHNICAL DATA

Operating Voltage
300 V
Test Voltage
1.5 kV
Capacitance at 800 Hz
< 150 nF/km
Capacitance Unbalanced
500 pF/500 m
L/R Ratio
< 25 µH/ohm
Operating Temp. Fixed
-30°C...+70°C
Installation Temperature
-5°C...+70°C
Flame Propagation
IEC 60332-1-2, IEC 60332-3-24
Min. Bending Radius
10 x Cable Diameter

IPT-KABEL

Configuration [mm2]	Cable Diameter (±%10) [mm]	Max. Conductor Resistance [Ohm/km]	Cable Weight (Approx.) [Approx][kg/km]
1 x 2 x 0.50	6.80	36.00	64.85
2 x 2 x 0.50	8.70	36.00	96.00
4 x 2 x 0.50	9.70	36.00	131.05
5 x 2 x 0.50	10.40	36.00	154.13
6 x 2 x 0.50	11.20	36.00	170.09
8 x 2 x 0.50	12.30	36.00	202.60
10 x 2 x 0.50	13.60	36.00	240.21
12 x 2 x 0.50	14.00	36.00	265.38
16 x 2 x 0.50	15.40	36.00	330.44
20 x 2 x 0.50	16.90	36.00	390.27
24 x 2 x 0.50	18.60	36.00	446.14
1 x 2 x 0.75	7.20	24.50	74.58
2 x 2 x 0.75	10.60	24.50	125.70
4 x 2 x 0.75	10.60	24.50	161.60
5 x 2 x 0.75	11.40	24.50	188.58
6 x 2 x 0.75	12.20	24.50	210.52
8 x 2 x 0.75	13.50	24.50	255.25
10 x 2 x 0.75	15.00	24.50	305.12
12 x 2 x 0.75	15.50	24.50	344.54
16 x 2 x 0.75	17.00	24.50	429.17
20 x 2 x 0.75	18.70	24.50	507.38
24 x 2 x 0.75	20.60	24.50	594.42
1 x 2 x 1.00	7.60	18.10	83.70
2 x 2 x 1.00	10.00	18.10	130.98
4 x 2 x 1.00	11.30	18.10	191.05
5 x 2 x 1.00	12.20	18.10	225.24
6 x 2 x 1.00	13.10	18.10	249.28
8 x 2 x 1.00	14.50	18.10	308.78
10 x 2 x 1.00	16.20	18.10	371.28
12 x 2 x 1.00	16.70	18.10	417.48
16 x 2 x 1.00	18.40	18.10	525.71
20 x 2 x 1.00	20.30	18.10	630.00
24 x 2 x 1.00	22.40	18.10	740.61
1 x 2 x 1.30	8.30	14.20	99.21
2 x 2 x 1.30	11.20	14.20	159.36
4 x 2 x 1.30	12.80	14.20	231.63

Configuration [mm2]	Cable Diameter (±%10) [mm]	Max. Conductor Resistance [Ohm/km]	Cable Weight (Approx.) [Approx][kg/km]
5 x 2 x 1.30	13.80	14.20	280.50
6 x 2 x 1.30	15.00	14.20	314.44
8 x 2 x 1.30	16.60	14.20	392.44
10 x 2 x 1.30	18.70	14.20	469.04
12 x 2 x 1.30	19.30	14.20	531.42
16 x 2 x 1.30	21.30	14.20	680.02
20 x 2 x 1.30	23.60	14.20	816.40
24 x 2 x 1.30	26.50	14.20	976.23
1 x 2 x 1.50	8.50	12.10	104.42
2 x 2 x 1.50	11.50	12.10	169.14
4 x 2 x 1.50	13.20	12.10	248.59
5 x 2 x 1.50	14.20	12.10	301.27
6 x 2 x 1.50	15.40	12.10	338.98
8 x 2 x 1.50	17.10	12.10	420.01
10 x 2 x 1.50	19.30	12.10	503.92
12 x 2 x 1.50	19.90	12.10	577.11
16 x 2 x 1.50	22.00	12.10	739.86
20 x 2 x 1.50	24.80	12.10	903.75
24 x 2 x 1.50	27.40	12.10	1064.13

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