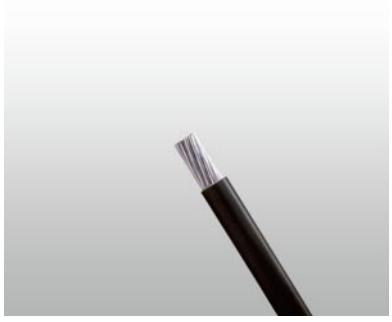
FRA 155 Single Core

↘Applications

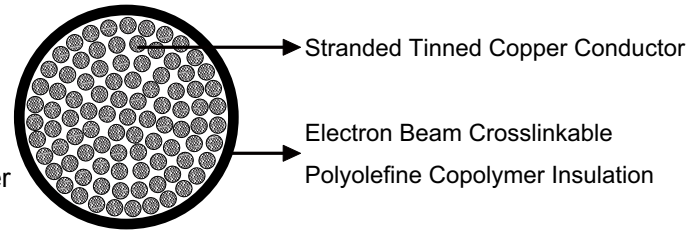


Single core cable with very high resistance to temperature designed for internal wiring in lamps, heating appliances and distribution boxes in apparatus, mechanical and plant engineering, etc.

↘Standard

- IEC 60332-1, EN 50265-2-1 (flame retardant)
- EN 50266-2 (non-flame propagating)

↘Construction



- **Conductors:** Class 5 stranded tinned copper to IEC60228/VDE 0295.
- **Insulation:** Electron beam crosslinkable polyolefine copolymer.
- **Colour Code:** Various colours on request.

↘Electrical Characteristics at 20℃

Nominal Conductor Cross Section	mm²	0.25	0.34	0.50	0.75	1.0	1.5	2.5	4.0	6.0	10	16
Maximum Conductor Resistance	Ω/km	85.9	57.2	40.1	26.7	20.0	13.7	8.21	5.09	3.39	1.95	1.24
Voltage Rating	V	450/750V (≤0.5mm²); 600/1000V (>0.5mm²)										

Nominal Conductor Cross Section	mm²	25	35	50	70	95	120	150	185	240
Maximum Conductor Resistance	Ω/km	0.795	0.565	0.393	0.277	0.21	0.164	0.132	0.108	0.0817
Voltage Rating	V	450/750V (≤0.5mm²); 600/1000V (>0.5mm²)								

↘Mechanical and Thermal Properties

Minimum Bending Radius: 3xOD

Temperature Range: -55℃ ~+155℃

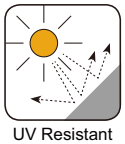
↘ Dimensions and Weight

No. of cores& Nominal Conductor Cross Sectional Area No.×mm²	Number and Nominal Diameter of Strands No/mm	Nominal Insulation Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
1×0.25	19/0.13	0.5	1.5	4
1×0.34	19/0.15	0.5	1.7	5
1×0.50	16/0.20	0.5	1.8	7
1×0.75	24/0.20	0.6	2.2	10
1×1.0	30/0.20	0.6	2.5	13
1×1.5	30/0.25	0.6	2.7	20
1×2.5	50/0.25	0.7	3.4	31
1×4.0	56/0.30	0.8	4.1	46
1×6.0	84/0.30	0.9	5.2	65
1×10.0	80/0.40	1.0	6.4	110
1×16.0	126/0.40	1.1	7.2	165
1×25.0	196/0.40	1.3	9.2	250
1×35.0	276/0.40	1.3	10.4	345
1×50.0	396/0.40	1.6	12.5	550
1×70.0	360/0.50	1.7	15.0	780
1×95.0	475/0.50	1.8	16.4	1010
1×120.0	608/0.50	1.8	18.2	1280
1×150.0	756/0.50	1.9	20.8	1420
1×185.0	925/0.50	2.0	22.5	1710
1×240.0	1221/0.50	2.2	25.7	2250


Impact Resistant


Highly Flexible


Weather Resistant


UV Resistant


Fire Retardant
NF C32-070-2.2(C1)
IEC 60332-3/EN50266


Flame Retardant
NF C32-070-2.1(C2)
IEC 60332-1/EN 50265-2-1