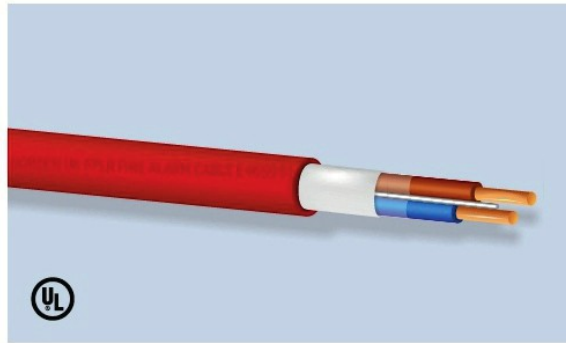


# FIRENOR FPLR TYPE-POWER LIMITED FIRE ALARM CABLE



The UL listed FPLR type shielded power limited fire alarm riser cable from Norden is suitable to be used in a vertical run in signaling & fire alarm system. It works in high temperature levels. This cable is constructed with FR-PVC insulation and outer jacket with aluminum and PE tape shielding that meets UL 1666 specifications. This cable complies with VW - 1 Flame Test requirements in ANSI/UL 1581. Tested as per ANSI/UL 1666 for flame propagation height of electrical and optical - Fibre Cables Installed Vertically in Shafts.



UL File No: E465991

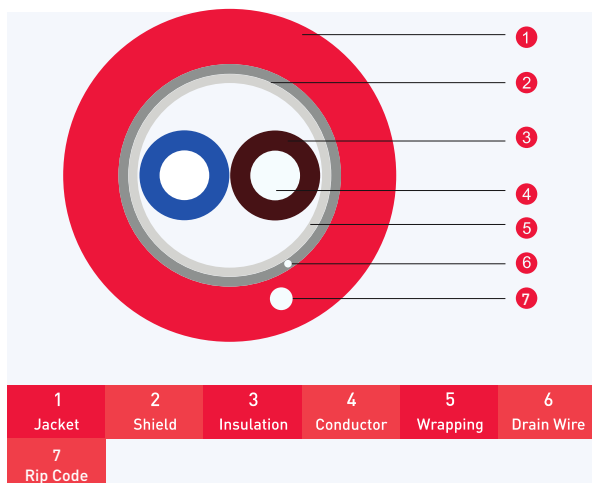
## Standard

ANSI / UL 1424, Cables for Power - Limited Fire - Alarm Circuits

## CABLE CONSTRUCTION

<b>Conductor</b> Solid Bare Copper	<b>Outer Jacket</b> FR - PVC	<b>Wrapping</b> Polyester Film	<b>Operating Voltage</b> 300/500 V
<b>Insulation</b> FR - PVC	<b>Jacket Colour</b> Red	<b>Drain Wire</b> 0.38 mm Solid TC	<b>Temperature Range</b> -35°C to +105°C
<b>Shielding</b> Al-Polyester Tape	<b>Jacket Thickness</b> 0.85 mm [1.0/1.5/2.5 Sq.mm Conductor] 0.95 mm [4.0 Sq.mm Conductor]	<b>Rip Code</b> Yes	

## SECTION VIEW



## INSULATION COLOUR CODE

Core	Colour
2 Core	Blue/Brown
3 Core	Blue/Brown/Black
4 Core	Blue/Brown/Black/Grey
5 Core	Blue/Brown/Black/Grey/Red
6 Core	Black/Red/White/Green/Blue/Yellow
7 Core	Black/Red/White/Green/Blue/Yellow/Orange
8 Core	Black/Red/Brown/Blue/Orange/Yellow/Purple/Green
10 Core	Black/Red/Brown/Blue/Orange/Yellow/Purple/Green/Red-Black/Red-White

## PHYSICAL & ELECTRICAL CHARACTERISTICS

No. of Cores/Cross-Section (mm <sup>2</sup> )	Max. Conductor Resistance @ 20°C(Ω/km)	Conductor diameter, (mm)±0.005	Insulation diameter (mm)±0.05	Jacket diameter, (mm)±0.3
2 x 1.0	18.1	1.12	1.95	5.8
2 x 1.5	12.1	1.29	2.35	6.6
2 x 2.5	7.4	1.76	2.75	7.4
2 x 3.5	5.22	2.11	3.21	8.1
2 x 4.0	4.61	2.25	3.35	8.6
2 x 6.0	3.08	2.76	3.86	9.7
3 x 1.0	18.1	1.12	1.95	6.1
3 x 1.5	12.1	1.29	2.35	7.0
3 x 2.5	7.4	1.76	2.75	8.1
3 x 4.0	4.61	2.25	3.35	9.0
4 x 1.0	18.1	1.12	1.95	7.0
4 x 1.5	12.1	1.29	2.35	7.6
4 x 2.5	7.4	1.76	2.75	9.1
4 x 4.0	4.61	2.25	3.35	10.5
5 x 1.5	12.1	1.29	2.35	8.7
6 x 2.5	7.5	1.76	2.75	10.5
7 x 1.5	12.1	1.29	2.35	9.9
8 x 1.0	18.5	1.12	1.95	9.1
10 x 1.0	18.5	1.12	1.95	10.1

# FIRENOR FPLR TYPE-POWER LIMITED FIRE ALARM CABLE



## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
52-1002XY	FireNor FPLR Cable 2C x 1.0 mm <sup>2</sup>
52-1502XY	FireNor FPLR Cable 2C x 1.5 mm <sup>2</sup>
52-2502XY	FireNor FPLR Cable 2C x 2.5 mm <sup>2</sup>
52-3502XY	FireNor FPLR Cable 2C x 3.5 mm <sup>2</sup>
52-4002XY	<b>FireNor FPLR Cable 2C x 4.0 mm<sup>2</sup></b>
52-6002XY	<b>FireNor FPLR Cable 2C x 6.0 mm<sup>2</sup></b>
52-1003XY	FireNor FPLR Cable 3C x 1.0 mm <sup>2</sup>
52-1503XY	FireNor FPLR Cable 3C x 1.5 mm <sup>2</sup>
52-2503XY	FireNor FPLR Cable 3C x 2.5 mm <sup>2</sup>
52-4003XY	FireNor FPLR Cable 3C x 4.0 mm <sup>2</sup>
52-1004XY	FireNor FPLR Cable 4C x 1.0 mm <sup>2</sup>
52-1504XY	FireNor FPLR Cable 4C x 1.5 mm <sup>2</sup>
52-2504XY	FireNor FPLR Cable 4C x 2.5 mm <sup>2</sup>
52-4004XY	FireNor FPLR Cable 4C x 4.0 mm <sup>2</sup>
52-1505XY	FireNor FPLR Cable 5C x 1.5 mm <sup>2</sup>
<b>52-2506XY</b>	<b>FireNor FPLR Cable 6C x 2.5 mm<sup>2</sup></b>
52-1507XY	FireNor FPLR Cable 7C x 1.5 mm <sup>2</sup>
<b>52-1008XY</b>	<b>FireNor FPLR Cable 8C x 1.0 mm<sup>2</sup></b>
52-1010XY	FireNor FPLR Cable 10C x 1.0 mm <sup>2</sup>

X (Colour code) → RD: Red

Y (Packing length) → 1:100mtr, 2: 500mtr

