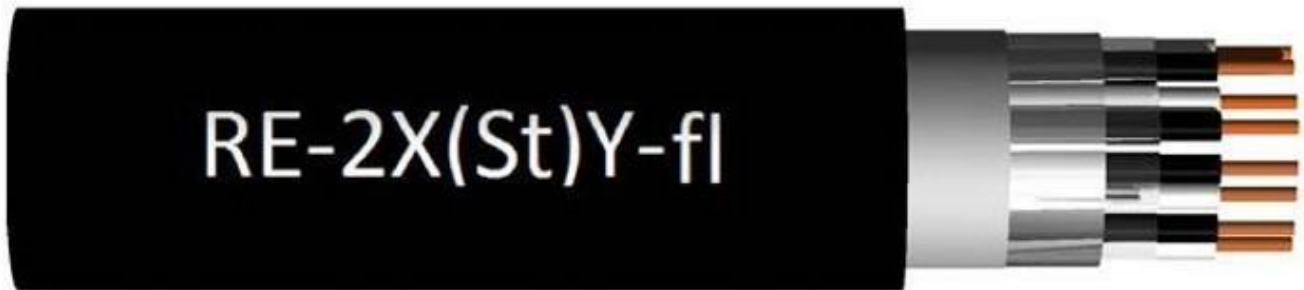


# RE-2X(St)Y-fl PiMF 300/500V

Flame retardant, UV resistant, oil resistant instrumentation cable



## Application

For transmission of analogue and digital signals in instrument and control systems, allowed for use in zone 1 and zone 2 group ii classified areas (IEC 60079-14), not allowed for direct connection to low impedance source, e.g. the public mains electricity supply.

## Construction

<b>Conductor</b>	: Plain annealed stranded copper sizes 0.5mm <sup>2</sup> , 1.0mm <sup>2</sup> , 1.3mm <sup>2</sup> , 1.5mm <sup>2</sup>
<b>Insulation</b>	: PE
<b>Wrapping</b>	: At least 1 layer of plastic tape
<b>Individual shield</b>	: 24µm Aluminium / PETP tape over stranded tinned copper drain wire 0.5mm <sup>2</sup> , wrapped in polyester tape
<b>Collective screen</b>	: 24µm Aluminium / PETP tape over 7-stranded tinned copper drain wire, 0.5mm <sup>2</sup> , wrapped in polyester tape
<b>Outer sheath</b>	: Polyvinyl chloride PVC
<b>Marking text</b>	: E.g. Incore-Cables RE-2X(St)Y-fl PiMF 300V EN50288-7 IEC60332-3-24 CE xxm
<b>Operating voltage</b>	: 300 V

## Colour Code

<b>Single pair</b>	: Black/white
<b>Multi pair</b>	: Black/white numbered

## Outer Sheath Colours

<b>Available colours</b>	: Black or blue*
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\*other colours available on request

## Installation recommendations

<b>Min. Bending Radius</b>	: 10xD
<b>Max. Conductor Operating Temperature</b>	: 60°C

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# RE-2X(St)Y-fl PiMF 300/500V

## Standards applied

IEC 60228 Class 2  
 EN50288-7  
 IEC60332-3-24 (Cat C)  
 UL1581 section 1200  
 ICEA S-82-552

Conductor  
 Flame Retardant  
 UV Resistant  
 Oil Resistant

## Range and Dimensions

Article Code	Number of pairs Size cross-section in mm <sup>2</sup>	Insulation thickness in mm	Nominal thickness of outer sheath in mm	Nominal overall diameter in mm	Approx. total weight in kg/km
S65F02P0.5BJJBK9	2 x 2 x 0.5	0.35	1	8.9	85
S65F04P0.5BJJBK9	4 x 2 x 0.5	0.35	1	10.2	121
S65F06P0.5BJJBK9	6 x 2 x 0.5	0.35	1.1	12.4	172
S65F08P0.5BJJBK9	8 x 2 x 0.5	0.35	1.1	13.1	212
S65F10P0.5BJJBK9	10 x 2 x 0.5	0.35	1.2	15.1	268
S65F12P0.5BJJBK9	12 x 2 x 0.5	0.35	1.2	15.8	297
S65F16P0.5BJJBK9	16 x 2 x 0.5	0.35	1.3	18.8	391
S65F20P0.5BJJBK9	20 x 2 x 0.5	0.35	1.4	20	479
S65F24P0.5BJJBK9	24 x 2 x 0.5	0.35	1.5	21.8	563
S65F02P0.75BJJBK9	2 x 2 x 0.75	0.38	1	9.7	101
S65F04P0.75BJJBK9	4 x 2 x 0.75	0.38	1.1	11.4	152
S65F06P0.75BJJBK9	6 x 2 x 0.75	0.38	1.2	13.8	219
S65F08P0.75BJJBK9	8 x 2 x 0.75	0.38	1.2	14.7	271
S65F10P0.75BJJBK9	10 x 2 x 0.75	0.38	1.3	16.8	338
S65F12P0.75BJJBK9	12 x 2 x 0.75	0.38	1.3	17.6	379
S65F16P0.75BJJBK9	16 x 2 x 0.75	0.38	1.4	20	496
S65F20P0.75BJJBK9	20 x 2 x 0.75	0.38	1.5	22.3	608
S65F24P0.75BJJBK9	24 x 2 x 0.75	0.38	1.6	24.4	716
S65F02P1.0BJJBK9	2 x 2 x 1.0	0.4	1	10.4	118
S65F04P1.0BJJBK9	4 x 2 x 1.0	0.4	1.1	12.3	175
S65F06P1.0BJJBK9	6 x 2 x 1.0	0.4	1.2	14.9	268
S65F08P1.0BJJBK9	8 x 2 x 1.0	0.4	1.2	15.9	317
S65F10P1.0BJJBK9	10 x 2 x 1.0	0.4	1.3	18.2	396
S65F12P1.0BJJBK9	12 x 2 x 1.0	0.4	1.4	19.3	471
S65F16P1.0BJJBK9	16 x 2 x 1.0	0.4	1.5	22	614
S65F20P1.0BJJBK9	20 x 2 x 1.0	0.4	1.6	24.5	743
S65F24P1.0BJJBK9	24 x 2 x 1.0	0.4	1.6	26.5	865
S65F02P1.3BJJBK9	2 x 2 x 1.3	0.45	1.1	12.1	144
S65F04P1.3BJJBK9	4 x 2 x 1.3	0.45	1.2	13.7	217
S65F06P1.3BJJBK9	6 x 2 x 1.3	0.45	1.3	16.5	331
S65F08P1.3BJJBK9	8 x 2 x 1.3	0.45	1.3	17.6	405
S65F10P1.3BJJBK9	10 x 2 x 1.3	0.45	1.4	20.2	508
S65F12P1.3BJJBK9	12 x 2 x 1.3	0.45	1.4	21.2	571
S65F16P1.3BJJBK9	16 x 2 x 1.3	0.45	1.6	24.4	750
S65F20P1.3BJJBK9	20 x 2 x 1.3	0.45	1.7	27.1	923
S65F24P1.3BJJBK9	24 x 2 x 1.3	0.45	1.7	29.3	1109
S65F02P1.5BJJBK9	2 x 2 x 1.5	0.45	1.1	12.5	160
S65F04P1.5BJJBK9	4 x 2 x 1.5	0.45	1.1	14.2	238
S65F06P1.5BJJBK9	6 x 2 x 1.5	0.45	1.2	17.1	362
S65F08P1.5BJJBK9	8 x 2 x 1.5	0.45	1.3	18.3	435
S65F10P1.5BJJBK9	10 x 2 x 1.5	0.45	1.4	21	557
S65F12P1.5BJJBK9	12 x 2 x 1.5	0.45	1.4	22.2	647
S65F16P1.5BJJBK9	16 x 2 x 1.5	0.45	1.5	25.4	833
S65F20P1.5BJJBK9	20 x 2 x 1.5	0.45	1.6	28.2	1039
S65F24P1.5BJJBK9	24 x 2 x 1.5	0.45	1.7	30.7	1222

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# RE-2X(St)Y-fl PiMF 300/500V

## Electrical value instrumentation cables

Article Code	Number of pairs Size cross-section in mm <sup>2</sup>	Conductor Resistance at 20°C in ohm/Km	Insulation Resistance Min. G ohm/Km	Mutual capacitance above 4 pair/triple	Inductance max mH/Km	L/R ratio Max uH/ohm
S65F02P0.5BJJBK9	2 x 2 x 0.5	36.7	5	115	1	25
S65F04P0.5BJJBK9	4 x 2 x 0.5	36.7	5	115	1	25
S65F06P0.5BJJBK9	6 x 2 x 0.5	36.7	5	115	1	25
S65F08P0.5BJJBK9	8 x 2 x 0.5	36.7	5	115	1	25
S65F10P0.5BJJBK9	10 x 2 x 0.5	36.7	5	115	1	25
S65F12P0.5BJJBK9	12 x 2 x 0.5	36.7	5	115	1	25
S65F16P0.5BJJBK9	16 x 2 x 0.5	36.7	5	115	1	25
S65F20P0.5BJJBK9	20 x 2 x 0.5	36.7	5	115	1	25
S65F24P0.5BJJBK9	24 x 2 x 0.5	36.7	5	115	1	25
S65F02P0.75BJJBK9	2 x 2 x 0.75	25	5	115	1	25
S65F04P0.75BJJBK9	4 x 2 x 0.75	25	5	115	1	25
S65F06P0.75BJJBK9	6 x 2 x 0.75	25	5	115	1	25
S65F08P0.75BJJBK9	8 x 2 x 0.75	25	5	115	1	25
S65F10P0.75BJJBK9	10 x 2 x 0.75	25	5	115	1	25
S65F12P0.75BJJBK9	12 x 2 x 0.75	25	5	115	1	25
S65F16P0.75BJJBK9	16 x 2 x 0.75	25	5	115	1	25
S65F20P0.75BJJBK9	20 x 2 x 0.75	25	5	115	1	25
S65F24P0.75BJJBK9	24 x 2 x 0.75	25	5	115	1	25
S65F02P1.0BJJBK9	2 x 2 x 1.0	18.5	5	115	1	25
S65F04P1.0BJJBK9	4 x 2 x 1.0	18.5	5	115	1	25
S65F06P1.0BJJBK9	6 x 2 x 1.0	18.5	5	115	1	25
S65F08P1.0BJJBK9	8 x 2 x 1.0	18.5	5	115	1	25
S65F10P1.0BJJBK9	10 x 2 x 1.0	18.5	5	115	1	25
S65F12P1.0BJJBK9	12 x 2 x 1.0	18.5	5	115	1	25
S65F16P1.0BJJBK9	16 x 2 x 1.0	18.5	5	115	1	25
S65F20P1.0BJJBK9	20 x 2 x 1.0	18.5	5	115	1	25
S65F24P1.0BJJBK9	24 x 2 x 1.0	18.5	5	115	1	25
S65F02P1.3BJJBK9	2 x 2 x 1.3	14.2	5	115	1	40
S65F04P1.3BJJBK9	4 x 2 x 1.3	14.2	5	115	1	40
S65F06P1.3BJJBK9	6 x 2 x 1.3	14.2	5	115	1	40
S65F08P1.3BJJBK9	8 x 2 x 1.3	14.2	5	115	1	40
S65F10P1.3BJJBK9	10 x 2 x 1.3	14.2	5	115	1	40
S65F12P1.3BJJBK9	12 x 2 x 1.3	14.2	5	115	1	40
S65F16P1.3BJJBK9	16 x 2 x 1.3	14.2	5	115	1	40
S65F20P1.3BJJBK9	20 x 2 x 1.3	14.2	5	115	1	40
S65F24P1.3BJJBK9	24 x 2 x 1.3	14.2	5	115	1	40
S65F02P1.5BJJBK9	2 x 2 x 1.5	12.3	5	115	1	40
S65F04P1.5BJJBK9	4 x 2 x 1.5	12.3	5	115	1	40
S65F06P1.5BJJBK9	6 x 2 x 1.5	12.3	5	115	1	40
S65F08P1.5BJJBK9	8 x 2 x 1.5	12.3	5	115	1	40
S65F10P1.5BJJBK9	10 x 2 x 1.5	12.3	5	115	1	40
S65F12P1.5BJJBK9	12 x 2 x 1.5	12.3	5	115	1	40
S65F16P1.5BJJBK9	16 x 2 x 1.5	12.3	5	115	1	40
S65F20P1.5BJJBK9	20 x 2 x 1.5	12.3	5	115	1	40
S65F24P1.5BJJBK9	24 x 2 x 1.5	12.3	5	115	1	40

### NOTICE

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