

RE-2X(St)YSWAY-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

Conductor	: Plain annealed stranded copper sizes 0.5mm ² , 0.75mm ² , 1.0mm ² , 1.3mm ² , 1.5mm ²
Insulation	: XLPE
Individual shield	: 24µm Aluminium / PETP tape over stranded tinned copper drain wire 0.5mm ² wrapped in Polyester tape
Collective screen	: 24µm Aluminium / PETP tape over stranded tinned copper drain wire 0.5mm ² wrapped in polyester tape
Inner sheath	: Polyvinyl chloride PVC
Armouring	: Galvanised steel wire armour
Outer sheath	: Polyvinyl chloride PVC
Marking text	: E.g. Incore-Cables RE-2X(St)YSWAY-fl PiMF 300V EN50288-7 IEC60332-3-24C CE xxm
Operating voltage	: 300 V

Colour Code

Single pair	: Black/white
Multi pair	: Black/white numbered
Single triple	: Black/white/red
Multi triple	: Black/white/red numbered

Outer Sheath Colours

Available colours : Black or blue*

*other colours available on request

Installation recommendations

Min. Bending Radius	: 10xD
Max. Conductor Operating Temperature	: 90°C

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RE-2X(St)YSWAY-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/triples Size cross-section in mm ²	Insulation thickness in mm	Nominal thickness inner sheath in mm	Approx. diameter over inner sheath in mm	Nominal diameter of armour wire in mm	Nominal thickness of outer sheath in mm	Nominal overall diameter in mm	Approx. total weight in kg/Km
S85F02P0.5BJJBK9	2 x 2 x 0.5	0.35	1	9.4	0.9	1.4	14	312
S85F04P0.5BJJBK9	4 x 2 x 0.5	0.35	1	10.2	0.9	1.4	14.8	375
S85F06P0.5BJJBK9	6 x 2 x 0.5	0.35	1.1	12.4	0.9	1.5	17.2	486
S85F08P0.5BJJBK9	8 x 2 x 0.5	0.35	1.1	13.1	0.9	1.5	17.9	539
S85F10P0.5BJJBK9	10 x 2 x 0.5	0.35	1.2	15.1	1.25	1.6	20.8	752
S85F12P0.5BJJBK9	12 x 2 x 0.5	0.35	1.2	15.8	1.25	1.6	21.5	806
S85F16P0.5BJJBK9	16 x 2 x 0.5	0.35	1.3	18	1.25	1.7	23.9	969
S85F20P0.5BJJBK9	20 x 2 x 0.5	0.35	1.4	20	1.25	1.7	25.9	1116
S85F24P0.5BJJBK9	24 x 2 x 0.5	0.35	1.5	21.8	1.25	1.8	27.9	1272
S85F02T0.5BQQBK9	2 x 3 x 0.5	0.35	1	9.7	0.9	1.4	14.3	364
S85F04T0.5BQQBK9	4 x 3 x 0.5	0.35	1.1	11.3	0.9	1.5	16.1	458
S85F06T0.5BQQBK9	6 x 3 x 0.5	0.35	1.2	14.2	0.9	1.6	19.2	613
S85F08T0.5BQQBK9	8 x 3 x 0.5	0.35	1.2	15.1	1.25	1.6	20.8	792
S85F10T0.5BQQBK9	10 x 3 x 0.5	0.35	1.3	17.2	1.25	1.7	23.1	953
S85F12T0.5BQQBK9	12 x 3 x 0.5	0.35	1.3	17.8	1.25	1.7	23.7	1004
S85F16T0.5BQQBK9	16 x 3 x 0.5	0.35	1.4	20.3	1.25	1.7	26.2	1199
S85F20T0.5BQQBK9	20 x 3 x 0.5	0.35	1.5	22.5	1.25	1.8	28.6	1397
S85F24T0.5BQQBK9	24 x 3 x 0.5	0.35	1.6	24.7	1.25	1.9	31	1596
S85F02P0.75BJJBK9	2 x 2 x 0.75	0.38	1	10.2	0.9	1.4	14.8	343
S85F04P0.75BJJBK9	4 x 2 x 0.75	0.38	1.1	11.4	0.9	1.5	16.2	440
S85F06P0.75BJJBK9	6 x 2 x 0.75	0.38	1.2	13.8	0.9	1.5	18.6	567
S85F08P0.75BJJBK9	8 x 2 x 0.75	0.38	1.2	14.7	0.9	1.6	19.7	641
S85F10P0.75BJJBK9	10 x 2 x 0.75	0.38	1.3	16.8	1.25	1.6	22.5	881
S85F12P0.75BJJBK9	12 x 2 x 0.75	0.38	1.3	17.6	1.25	1.7	23.5	947
S85F16P0.75BJJBK9	16 x 2 x 0.75	0.38	1.4	20	1.25	1.7	25.9	1137
S85F20P0.75BJJBK9	20 x 2 x 0.75	0.38	1.5	22.3	1.25	1.8	28.4	1333
S85F24P0.75BJJBK9	24 x 2 x 0.75	0.38	1.6	24.4	1.25	1.9	30.7	1492
S85F02T0.75BQQBK9	2 x 3 x 0.75	0.38	1	10.6	0.9	1.5	15.4	419
S85F04T0.75BQQBK9	4 x 3 x 0.75	0.38	1.1	12.4	0.9	1.5	17.2	523
S85F06T0.75BQQBK9	6 x 3 x 0.75	0.38	1.2	15.6	1.25	1.6	21.3	822
S85F08T0.75BQQBK9	8 x 3 x 0.75	0.38	1.3	16.9	1.25	1.6	22.6	944
S85F10T0.75BQQBK9	10 x 3 x 0.75	0.38	1.4	19.2	1.25	1.7	25.1	1099
S85F12T0.75BQQBK9	12 x 3 x 0.75	0.38	1.4	19.9	1.25	1.7	25.8	1150
S85F16T0.75BQQBK9	16 x 3 x 0.75	0.38	1.5	22.7	1.25	1.8	28.8	1444
S85F20T0.75BQQBK9	20 x 3 x 0.75	0.38	1.6	25.2	1.6	1.9	32.2	1891
S85F24T0.75BQQBK9	24 x 3 x 0.75	0.38	1.7	27.5	1.6	2	34.7	2172
S85F02P1.0BJJBK9	2 x 2 x 1.0	0.4	1.1	11.1	0.9	1.5	15.9	379
S85F04P1.0BJJBK9	4 x 2 x 1.0	0.4	1.1	12.3	0.9	1.5	17.1	489
S85F06P1.0BJJBK9	6 x 2 x 1.0	0.4	1.2	14.9	0.9	1.6	19.9	644
S85F08P1.0BJJBK9	8 x 2 x 1.0	0.4	1.2	15.9	1.25	1.6	21.6	834
S85F10P1.0BJJBK9	10 x 2 x 1.0	0.4	1.3	18.2	1.25	1.7	24.1	998
S85F12P1.0BJJBK9	12 x 2 x 1.0	0.4	1.4	19.3	1.25	1.7	25.2	1088
S85F16P1.0BJJBK9	16 x 2 x 1.0	0.4	1.5	22	1.25	1.8	28.1	1327
S85F20P1.0BJJBK9	20 x 2 x 1.0	0.4	1.6	24.5	1.25	1.9	30.8	1515
S85F24P1.0BJJBK9	24 x 2 x 1.0	0.4	1.6	26.5	1.6	1.9	33.5	1913
S85F02T1.0BQQBK9	2 x 3 x 1.0	0.4	1.1	11.7	0.9	1.5	16.5	473
S85F04T1.0BQQBK9	4 x 3 x 1.0	0.4	1.2	13.6	0.9	1.5	18.4	598
S85F06T1.0BQQBK9	6 x 3 x 1.0	0.4	1.3	17.1	1.25	1.7	23	943

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Article Code	Number of pairs/triples Size cross-section in mm ²	Insulation thickness in mm	Nominal thickness inner sheath in mm	Approx. diameter over inner sheath in mm	Nominal diameter of armour wire in mm	Nominal thickness of outer sheath in mm	Nominal overall diameter in mm	Approx. total weight in kg/Km
S85F08T1.0BQQBK9	8 x 3 x 1.0	0.4	1.3	18.3	1.25	1.7	24.2	1077
S85F10T1.0BQQBK9	10 x 3 x 1.0	0.4	1.4	20.9	1.25	1.8	27	1282
S85F12T1.0BQQBK9	12 x 3 x 1.0	0.4	1.5	21.8	1.25	1.8	27.9	1386
S85F16T1.0BQQBK9	16 x 3 x 1.0	0.4	1.6	24.9	1.25	1.9	31.2	1693
S85F20T1.0BQQBK9	20 x 3 x 1.0	0.4	1.7	27.7	1.6	2	34.9	2209
S85F24T1.0BQQBK9	24 x 3 x 1.0	0.4	1.8	30.1	1.6	2	37.3	2513
S85F02P1.3BJJBK9	2 x 2 x 1.3	0.45	1.1	12.1	0.9	1.5	16.9	454
S85F04P1.3BJJBK9	4 x 2 x 1.3	0.45	1.2	13.7	0.9	1.5	18.5	564
S85F06P1.3BJJBK9	6 x 2 x 1.3	0.45	1.3	16.5	1.25	1.6	22.2	862
S85F08P1.3BJJBK9	8 x 2 x 1.3	0.45	1.3	17.6	1.25	1.7	23.5	983
S85F10P1.3BJJBK9	10 x 2 x 1.3	0.45	1.4	20.2	1.25	1.7	26.1	1160
S85F12P1.3BJJBK9	12 x 2 x 1.3	0.45	1.4	21.2	1.25	1.8	27.3	1261
S85F16P1.3BJJBK9	16 x 2 x 1.3	0.45	1.6	24.4	1.25	1.9	30.7	1526
S85F20P1.3BJJBK9	20 x 2 x 1.3	0.45	1.7	27.1	1.6	2	34.3	1972
S85F24P1.3BJJBK9	24 x 2 x 1.3	0.45	1.7	29.3	1.6	2	36.5	2258
S85F02T1.3BQQBK9	2 x 3 x 1.3	0.45	1.1	12.8	0.9	1.5	17.6	534
S85F04T1.3BQQBK9	4 x 3 x 1.3	0.45	1.2	14.9	0.9	1.6	19.9	687
S85F06T1.3BQQBK9	6 x 3 x 1.3	0.45	1.4	19	1.25	1.7	24.9	1093
S85F08T1.3BQQBK9	8 x 3 x 1.3	0.45	1.4	20.3	1.25	1.7	26.2	1253
S85F10T1.3BQQBK9	10 x 3 x 1.3	0.45	1.5	23.2	1.25	1.8	29.3	1487
S85F12T1.3BQQBK9	12 x 3 x 1.3	0.45	1.5	24.1	1.25	1.8	30.2	1598
S85F16T1.3BQQBK9	16 x 3 x 1.3	0.45	1.7	27.7	1.6	2	34.9	2229
S85F20T1.3BQQBK9	20 x 3 x 1.3	0.45	1.8	30.7	1.6	2.1	38.1	2600
S85F24T1.3BQQBK9	24 x 3 x 1.3	0.45	1.9	33.4	1.6	2.1	40.8	2967
S85F02P1.5BJJBK9	2 x 2 x 1.5	0.45	1.1	12.5	0.9	1.5	17.3	477
S85F04P1.5BJJBK9	4 x 2 x 1.5	0.45	1.2	14.2	0.9	1.6	19.2	603
S85F06P1.5BJJBK9	6 x 2 x 1.5	0.45	1.3	17.1	1.25	1.7	23	918
S85F08P1.5BJJBK9	8 x 2 x 1.5	0.45	1.3	18.3	1.25	1.7	24.2	1037
S85F10P1.5BJJBK9	10 x 2 x 1.5	0.45	1.4	21	1.25	1.8	27.1	1249
S85F12P1.5BJJBK9	12 x 2 x 1.5	0.45	1.5	22.2	1.25	1.8	28.3	1361
S85F16P1.5BJJBK9	16 x 2 x 1.5	0.45	1.6	25.4	1.6	1.9	32.4	1850
S85F20P1.5BJJBK9	20 x 2 x 1.5	0.45	1.7	28.2	1.6	2	35.4	2142
S85F24P1.5BJJBK9	24 x 2 x 1.5	0.45	1.8	30.7	1.6	2.1	38.1	2449
S85F02T1.5BQQBK9	2 x 3 x 1.5	0.45	1.1	13.2	0.9	1.5	18	563
S85F04T1.5BQQBK9	4 x 3 x 1.5	0.45	1.2	15.4	1.25	1.6	21.1	845
S85F06T1.5BQQBK9	6 x 3 x 1.5	0.45	1.4	19.7	1.25	1.7	25.6	1165
S85F08T1.5BQQBK9	8 x 3 x 1.5	0.45	1.4	21.1	1.25	1.8	27.2	1357
S85F10T1.5BQQBK9	10 x 3 x 1.5	0.45	1.6	24.4	1.25	1.9	30.7	1599
S85F12T1.5BQQBK9	12 x 3 x 1.5	0.45	1.6	25.2	1.6	1.9	32.2	1959
S85F16T1.5BQQBK9	16 x 3 x 1.5	0.45	1.7	28.7	1.6	2	35.9	2392
S85F20T1.5BQQBK9	20 x 3 x 1.5	0.45	1.8	31.9	1.6	2.1	39.3	2805
S85F24T1.5BQQBK9	24 x 3 x 1.5	0.45	1.9	34.7	1.6	2.2	42.3	3235

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

Electrical value instrumentation cables

Article Code	Number of pairs Size cross-section in mm ²	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
S85F02P0.5BJJBK9	2 x 2 x 0.5	36.7	5	115	1	25
S85F04P0.5BJJBK9	4 x 2 x 0.5	36.7	5	115	1	25
S85F06P0.5BJJBK9	6 x 2 x 0.5	36.7	5	115	1	25
S85F08P0.5BJJBK9	8 x 2 x 0.5	36.7	5	115	1	25
S85F10P0.5BJJBK9	10 x 2 x 0.5	36.7	5	115	1	25
S85F12P0.5BJJBK9	12 x 2 x 0.5	36.7	5	115	1	25
S85F16P0.5BJJBK9	16 x 2 x 0.5	36.7	5	115	1	25
S85F20P0.5BJJBK9	20 x 2 x 0.5	36.7	5	115	1	25
S85F24P0.5BJJBK9	24 x 2 x 0.5	36.7	5	115	1	25
S85F02T0.5BQQBK9	2 x 3 x 0.5	36.7	5	115	1	25
S85F04T0.5BQQBK9	4 x 3 x 0.5	36.7	5	115	1	25
S85F06T0.5BQQBK9	6 x 3 x 0.5	36.7	5	115	1	25
S85F08T0.5BQQBK9	8 x 3 x 0.5	36.7	5	115	1	25
S85F10T0.5BQQBK9	10 x 3 x 0.5	36.7	5	115	1	25
S85F12T0.5BQQBK9	12 x 3 x 0.5	36.7	5	115	1	25
S85F16T0.5BQQBK9	16 x 3 x 0.5	36.7	5	115	1	25
S85F20T0.5BQQBK9	20 x 3 x 0.5	36.7	5	115	1	25
S85F24T0.5BQQBK9	24 x 3 x 0.5	36.7	5	115	1	25
S85F02P0.75BJJBK9	2 x 2 x 0.75	25	5	115	1	25
S85F04P0.75BJJBK9	4 x 2 x 0.75	25	5	115	1	25
S85F06P0.75BJJBK9	6 x 2 x 0.75	25	5	115	1	25
S85F08P0.75BJJBK9	8 x 2 x 0.75	25	5	115	1	25
S85F10P0.75BJJBK9	10 x 2 x 0.75	25	5	115	1	25
S85F12P0.75BJJBK9	12 x 2 x 0.75	25	5	115	1	25
S85F16P0.75BJJBK9	16 x 2 x 0.75	25	5	115	1	25
S85F20P0.75BJJBK9	20 x 2 x 0.75	25	5	115	1	25
S85F24P0.75BJJBK9	24 x 2 x 0.75	25	5	115	1	25
S85F02T0.75BQQBK9	2 x 3 x 0.75	25	5	115	1	25
S85F04T0.75BQQBK9	4 x 3 x 0.75	25	5	115	1	25
S85F06T0.75BQQBK9	6 x 3 x 0.75	25	5	115	1	25
S85F08T0.75BQQBK9	8 x 3 x 0.75	25	5	115	1	25
S85F10T0.75BQQBK9	10 x 3 x 0.75	25	5	115	1	25
S85F12T0.75BQQBK9	12 x 3 x 0.75	25	5	115	1	25
S85F16T0.75BQQBK9	16 x 3 x 0.75	25	5	115	1	25
S85F20T0.75BQQBK9	20 x 3 x 0.75	25	5	115	1	25
S85F24T0.75BQQBK9	24 x 3 x 0.75	25	5	115	1	25
S85F02P1.0BJJBK9	2 x 2 x 1.0	18.5	5	115	1	25
S85F04P1.0BJJBK9	4 x 2 x 1.0	18.5	5	115	1	25
S85F06P1.0BJJBK9	6 x 2 x 1.0	18.5	5	115	1	25
S85F08P1.0BJJBK9	8 x 2 x 1.0	18.5	5	115	1	25
S85F10P1.0BJJBK9	10 x 2 x 1.0	18.5	5	115	1	25
S85F12P1.0BJJBK9	12 x 2 x 1.0	18.5	5	115	1	25
S85F16P1.0BJJBK9	16 x 2 x 1.0	18.5	5	115	1	25
S85F20P1.0BJJBK9	20 x 2 x 1.0	18.5	5	115	1	25
S85F24P1.0BJJBK9	24 x 2 x 1.0	18.5	5	115	1	25
S85F02T1.0BQQBK9	2 x 3 x 1.0	18.5	5	115	1	25
S85F04T1.0BQQBK9	4 x 3 x 1.0	18.5	5	115	1	25
S85F06T1.0BQQBK9	6 x 3 x 1.0	18.5	5	115	1	25
S85F08T1.0BQQBK9	8 x 3 x 1.0	18.5	5	115	1	25
S85F10T1.0BQQBK9	10 x 3 x 1.0	18.5	5	115	1	25
S85F12T1.0BQQBK9	12 x 3 x 1.0	18.5	5	115	1	25
S85F16T1.0BQQBK9	16 x 3 x 1.0	18.5	5	115	1	25
S85F20T1.0BQQBK9	20 x 3 x 1.0	18.5	5	115	1	25
S85F24T1.0BQQBK9	24 x 3 x 1.0	18.5	5	115	1	25
S85F02P1.3BJJBK9	2 x 2 x 1.3	14.2	5	115	1	40
S85F04P1.3BJJBK9	4 x 2 x 1.3	14.2	5	115	1	40
S85F06P1.3BJJBK9	6 x 2 x 1.3	14.2	5	115	1	40
S85F08P1.3BJJBK9	8 x 2 x 1.3	14.2	5	115	1	40
S85F10P1.3BJJBK9	10 x 2 x 1.3	14.2	5	115	1	40
S85F12P1.3BJJBK9	12 x 2 x 1.3	14.2	5	115	1	40

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Article Code	Number of pairs Size cross-section in mm ²	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
S85F16P1.3BJJBK9	16 x 2 x 1.3	14.2	5	115	1	40
S85F20P1.3BJJBK9	20 x 2 x 1.3	14.2	5	115	1	40
S85F24P1.3BJJBK9	24 x 2 x 1.3	14.2	5	115	1	40
S85F02T1.3BQQBK9	2 x 3 x 1.3	14.2	5	115	1	40
S85F04T1.3BQQBK9	4 x 3 x 1.3	14.2	5	115	1	40
S85F06T1.3BQQBK9	6 x 3 x 1.3	14.2	5	115	1	40
S85F08T1.3BQQBK9	8 x 3 x 1.3	14.2	5	115	1	40
S85F10T1.3BQQBK9	10 x 3 x 1.3	14.2	5	115	1	40
S85F12T1.3BQQBK9	12 x 3 x 1.3	14.2	5	115	1	40
S85F16T1.3BQQBK9	16 x 3 x 1.3	14.2	5	115	1	40
S85F20T1.3BQQBK9	20 x 3 x 1.3	14.2	5	115	1	40
S85F24T1.3BQQBK9	24 x 3 x 1.3	14.2	5	115	1	40
S85F02P1.5BJJBK9	2 x 2 x 1.5	12.3	5	115	1	40
S85F04P1.5BJJBK9	4 x 2 x 1.5	12.3	5	115	1	40
S85F06P1.5BJJBK9	6 x 2 x 1.5	12.3	5	115	1	40
S85F08P1.5BJJBK9	8 x 2 x 1.5	12.3	5	115	1	40
S85F10P1.5BJJBK9	10 x 2 x 1.5	12.3	5	115	1	40
S85F12P1.5BJJBK9	12 x 2 x 1.5	12.3	5	115	1	40
S85F16P1.5BJJBK9	16 x 2 x 1.5	12.3	5	115	1	40
S85F20P1.5BJJBK9	20 x 2 x 1.5	12.3	5	115	1	40
S85F24P1.5BJJBK9	24 x 2 x 1.5	12.3	5	115	1	40
S85F02T1.5BQQBK9	2 x 3 x 1.5	12.3	5	115	1	40
S85F04T1.5BQQBK9	4 x 3 x 1.5	12.3	5	115	1	40
S85F06T1.5BQQBK9	6 x 3 x 1.5	12.3	5	115	1	40
S85F08T1.5BQQBK9	8 x 3 x 1.5	12.3	5	115	1	40
S85F10T1.5BQQBK9	10 x 3 x 1.5	12.3	5	115	1	40
S85F12T1.5BQQBK9	12 x 3 x 1.5	12.3	5	115	1	40
S85F16T1.5BQQBK9	16 x 3 x 1.5	12.3	5	115	1	40
S85F20T1.5BQQBK9	20 x 3 x 1.5	12.3	5	115	1	40
S85F24T1.5BQQBK9	24 x 3 x 1.5	12.3	5	115	1	40

NOTICE

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