Info

- Armoured
- Individual and Overall Screen
- XLPE insulation

ÖLFLEX® INSTRUM RE-2X(ST)YRY PiMF

Application range

- For communication, data and voice transmission signal in industrial process manufacturing plants
- Oil and Gas industry
- Petrochemical industry
- Generally used for outdoor installation for direct burial or installed in the duct
- The Blue outer sheath is suitable for use with Group 2 Intrinsically Safe (IS) systems in hazardous areas where the voltage range is <50 VAC / <75 VDC

Product features

- Cable construction in acc. to EN 50288-7
- Flame retardant in acc. to IEC 60332-3-24

Approvals (Norm references)

CE RoHS

Product Make-up

- Stranded plain annealed copper wires
- XLPE core insulation
- Pairs are individually and collectively screened with aluminium polyester tape
- Tinned copper drain wire
- PVC inner sheath, black
- Galvanized steel wire armoured
- PVC outer sheath, black or blue
- Also available in LSHF version

Technical data

Core identification code
Pair: black and white
Multipair: black and white with numbers

Based on
EN 50288-7

Specific insulation resistance
> 1000 MOhm x km

Conductor stranding
acc. to IEC 60228 Cl. 2

Minimum bending radius
10 x cable diameter

Nominal voltage
500V
<50 VAC / <75 VDC for Intrinsically Safe (IS) circuits application. See application range.

Test voltage
2000 V

Temperature range
-30°C to +90°C

Article number	Number of pairs/ conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1270600	2x2x0.5	15.4	black	33.6	349
1270601	2x2x0.5	15.4	blue	33.6	349
1270602	4x2x0.5	17.7	black	62.4	514
1270603	4x2x0.5	17.7	blue	62.4	514
1270604	6x2x0.5	20.2	black	91.2	629
1270605	6x2x0.5	20.2	blue	91.2	629
1270606	8x2x0.5	22.3	black	120.0	742
1270607	8x2x0.5	22.3	blue	120.0	742
1270608	10x2x0.5	25.3	black	148.8	999
1270609	10x2x0.5	25.3	blue	148.8	999
1270610	12x2x0.5	26.1	black	177.6	1058
1270611	12x2x0.5	26.1	blue	177.6	1058
1270612	16x2x0.5	28.3	black	235.2	1213
1270613	16x2x0.5	28.3	blue	235.2	1213
1270614	20x2x0.5	31.1	black	292.8	1404
1270615	20x2x0.5	31.1	blue	292.8	1404
1270616	24x2x0.5	34.8	black	350.4	1824
1270617	24x2x0.5	34.8	blue	350.4	1824
1270618	30x2x0.5	36.6	black	436.8	2015
1270619	30x2x0.5	36.6	blue	436.8	2015
1270620	36x2x0.5	39.0	black	232.8	2220
1270621	36x2x0.5	39.0	blue	232.8	2220
1270640	2x2x0.75	16.1	black	43.2	383
1270641	2x2x0.75	16.1	blue	43.2	383
1270642	4x2x0.75	19.0	black	81.6	579
1270643	4x2x0.75	19.0	blue	81.6	579
1270644	6x2x0.75	21.6	black	120.0	730
1270645	6x2x0.75	21.6	blue	120.0	730
1270646	8x2x0.75	24.3	black	158.4	961
1270647	8x2x0.75	24.3	blue	158.4	961
1270648	10x2x0.75	27.0	black	196.8	1130
1270649	10x2x0.75	27.0	blue	196.8	1130
1270650	12x2x0.75	27.9	black	235.2	1200
1270651	12x2x0.75	27.9	blue	235.2	1200
1270652	16x2x0.75	30.5	black	312.0	1407
1270653	16x2x0.75	30.5	blue	312.0	1407
1270654	20x2x0.75	33.3	black	388.8	1626
1270655	20x2x0.75	33.3	blue	388.8	1626
1270656	24x2x0.75	37.5	black	465.6	2110
1270657	24x2x0.75	37.5	blue	465.6	2110
1270658	30x2x0.75	39.2	black	580.8	2318
1270659	30x2x0.75	39.2	blue	580.8	2318
1270660	36x2x0.75	42.0	black	696.0	2600
1270661	36x2x0.75	42.0	blue	696.0	2600
1270680	2x2x1.0	17.5	black	52.8	497
1270681	2x2x1.0	17.5	blue	52.8	497
1270682	4x2x1.0	19.7	black	100.8	628
1270683	4x2x1.0	19.7	blue	100.8	628
1270684	6x2x1.0	23.5	black	148.8	911
1270685	6x2x1.0	23.5	blue	148.8	911
1270686	8x2x1.0	25.9	black	196.8	1084
1270687	8x2x1.0	25.9	blue	196.8	1084
1270688	10x2x1.0	28.5	black	244.8	1255
1270689	10x2x1.0	28.5	blue	244.8	1255
1270690	12x2x1.0	29.4	black	292.8	1338

Article number	Number of pairs/ conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1270691	12x2x1.0	29.4	blue	292.8	1338
1270692	16x2x1.0	32.0	black	388.8	1557
1270693	16x2x1.0	32.0	blue	388.8	1557
1270694	20x2x1.0	36.1	black	484.8	2037
1270695	20x2x1.0	36.1	blue	484.8	2037
1270696	24x2x1.0	39.5	black	580.8	2335
1270697	24x2x1.0	39.5	blue	580.8	2335
1270698	30x2x1.0	41.7	black	724.8	2610
1270699	30x2x1.0	41.7	blue	724.8	2610
1270700	36x2x1.0	44.7	black	868.8	2930
1270701	36x2x1.0	44.7	blue	868.8	2930
1270730	2x2x1.5	19.0	black	72.0	574
1270731	2x2x1.5	19.0	blue	72.0	574
1270732	4x2x1.5	21.3	black	139.2	731
1270733	4x2x1.5	21.3	blue	139.2	731
1270734	6x2x1.5	25.3	black	206.4	1065
1270735	6x2x1.5	25.3	blue	206.4	1065
1270736	8x2x1.5	27.9	black	273.6	1247
1270737	8x2x1.5	27.9	blue	273.6	1247
1270738	10x2x1.5	31.1	black	340.8	1473
1270739	10x2x1.5	31.1	blue	340.8	1473
1270740	12x2x1.5	31.9	black	408.0	1582
1270741	12x2x1.5	31.9	blue	408.0	1582
1270742	16x2x1.5	35.8	black	542.4	2100
1270743	16x2x1.5	35.8	blue	542.4	2100
1270744	20x2x1.5	39.4	black	676.8	2437
1270745	20x2x1.5	39.4	blue	676.8	2437
1270746	24x2x1.5	43.3	black	811.2	2803
1270747	24x2x1.5	43.3	blue	811.2	2803
1270748	30x2x1.5	46.8	black	1012.8	3560
1270749	30x2x1.5	46.8	blue	1012.8	3560
1270750	36x2x1.5	50.1	black	1214.4	4010
1270751	36x2x1.5	50.1	blue	1214.4	4010
1270760	2x2x2.5	21.4	black	110.4	710
1270761	2x2x2.5	21.4	blue	110.4	710
1270762	4x2x2.5	25.1	black	216.0	1080
1270763	4x2x2.5	25.1	blue	216.0	1080
1270764	6x2x2.5	29.0	black	321.6	1370
1270765	6x2x2.5	29.0	blue	321.6	1370
1270766	8x2x2.5	32.2	black	427.2	1621
1270767	8x2x2.5	32.2	blue	427.2	1621
1270768	10x2x2.5	37.0	black	532.8	2170
1270769	10x2x2.5	37.0	blue	532.8	2170
1270770	12x2x2.5	38.1	black	638.4	2355
1270771	12x2x2.5	38.1	blue	638.4	2355
1270772	16x2x2.5	41.8	black	849.6	2782
1270773	16x2x2.5	41.8	blue	849.6	2782
1270774	20x2x2.5	47.3	black	1,060.8	3699
1270775	20x2x2.5	47.3	blue	1,060.8	3699
1270776	24x2x2.5	52.0	black	1,272.0	4252
1270777	24x2x2.5	52.0	blue	1,272.0	4252
1270778	30x2x2.5	54.7	black	1,588.8	4757
1270779	30x2x2.5	54.7	blue	1,588.8	4757
1270780	36x2x2.5	58.9	black	1,905.6	5418
1270781	36x2x2.5	58.9	blue	1,905.6	5418

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Photographs are not to scale and do not represent detailed images of the respective products.