

ÖLFLEX® INSTRUM RE-Y(ST)YRY

Info

- Armoured
- Overall Screen
- PVC (V-90HT) Heat Resistant



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)



Product Make-up

- Stranded plain annealed copper wires
- PVC (V-90HT) core insulation
- Pairs are collectively screened with aluminium polyester tape
- Tinned copper drain wire
- PVC inner sheath, black
- Galvanized steel wire armoured
- PVC (5V-90) 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
Multicore: black, white, and red (3 Core)
Multicore: black with numbers (4C and above)

Based on
EN 50288-7

Specific insulation resistance
> 10 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 +105°C

Article number	Number of pairs/conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1271380	1x2x0.5	11.3	black	14.4	248
1271381	1x2x0.5	11.3	blue	14.4	248
1271382	2x2x0.5	14.4	black	24.0	365
1271383	2x2x0.5	14.4	blue	24.0	365
1271404	3x2x0.5	15.2	black	33.6	406
1271405	3x2x0.5	15.2	blue	33.6	406
1271384	4x2x0.5	16.1	black	43.2	455
1271385	4x2x0.5	16.1	blue	43.2	455
1271386	6x2x0.5	19.2	black	62.4	611
1271387	6x2x0.5	19.2	blue	62.4	611
1271388	8x2x0.5	20.8	black	81.6	836
1271389	8x2x0.5	20.8	blue	81.6	836
1271390	10x2x0.5	23.8	black	100.8	952
1271391	10x2x0.5	23.8	blue	100.8	952
1271392	12x2x0.5	24.3	black	120.0	1045
1271393	12x2x0.5	24.3	blue	120.0	1045
1271406	16x2x0.5	26.6	black	158.4	1535
1271407	16x2x0.5	26.6	blue	158.4	1535
1271396	20x2x0.5	29.0	black	196.8	1628
1271397	20x2x0.5	29.0	blue	196.8	1628
1271398	24x2x0.5	31.7	black	235.2	1782
1271399	24x2x0.5	31.7	blue	235.2	1782
1271400	30x2x0.5	33.3	black	292.8	2085
1271401	30x2x0.5	33.3	blue	292.8	2085
1271402	36x2x0.5	36.4	black	350.4	2108
1271403	36x2x0.5	36.4	blue	350.4	2108
1271420	1x2x0.75	11.7	black	19.2	264
1271421	1x2x0.75	11.7	blue	19.2	264
1271422	2x2x0.75	15.3	black	33.6	395
1271423	2x2x0.75	15.3	blue	33.6	395
1271444	3x2x0.75	15.9	black	48.1	486
1271445	3x2x0.75	15.9	blue	48.1	486
1271424	4x2x0.75	17.6	black	62.4	603
1271425	4x2x0.75	17.6	blue	62.4	603
1271426	6x2x0.75	20.2	black	91.2	831
1271427	6x2x0.75	20.2	blue	91.2	831
1271428	8x2x0.75	22.3	black	120.0	946
1271429	8x2x0.75	22.3	blue	120.0	946
1271430	10x2x0.75	25.4	black	148.8	1276
1271431	10x2x0.75	25.4	blue	148.8	1276
1271432	12x2x0.75	26.2	black	177.6	1414
1271433	12x2x0.75	26.2	blue	177.6	1414
1271446	16x2x0.75	28.5	black	235.2	1580
1271447	16x2x0.75	28.5	blue	235.2	1580
1271436	20x2x0.75	31.3	black	292.8	1898
1271437	20x2x0.75	31.3	blue	292.8	1898

Article number	Number of pairs/conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1271438	24x2x0.75	35.0	black	350.4	2036
1271439	24x2x0.75	35.0	blue	350.4	2036
1271440	30x2x0.75	36.6	black	436.8	2475
1271441	30x2x0.75	36.6	blue	436.8	2475
1271442	36x2x0.75	39.2	black	523.2	3168
1271443	36x2x0.75	39.2	blue	523.2	3168
1271460	1x2x1.0	12.3	black	24.0	270
1271461	1x2x1.0	12.3	blue	24.0	270
1271462	2x2x1.0	15.9	black	43.2	429
1271463	2x2x1.0	15.9	blue	43.2	429
1271486	3x2x1.0	17.3	black	62.4	569
1271487	3x2x1.0	17.3	blue	62.4	569
1271464	4x2x1.0	18.8	black	81.6	753
1271465	4x2x1.0	18.8	blue	81.6	753
1271466	6x2x1.0	21.4	black	120.0	1038
1271467	6x2x1.0	21.4	blue	120.0	1038
1271468	8x2x1.0	24.1	black	158.4	1183
1271469	8x2x1.0	24.1	blue	158.4	1183
1271470	10x2x1.0	26.8	black	196.8	1595
1271471	10x2x1.0	26.8	blue	196.8	1595
1271472	12x2x1.0	27.4	black	235.2	1767
1271473	12x2x1.0	27.4	blue	235.2	1767
1271484	16x2x1.0	30.1	black	312.0	1932
1271485	16x2x1.0	30.1	blue	312.0	1932
1271476	20x2x1.0	32.8	black	388.8	2372
1271477	20x2x1.0	32.8	blue	388.8	2372
1271478	24x2x1.0	37.0	black	465.6	2578
1271479	24x2x1.0	37.0	blue	465.6	2578
1271480	30x2x1.0	38.9	black	580.8	3094
1271481	30x2x1.0	38.9	blue	580.8	3094
1271482	36x2x1.0	41.7	black	696.0	3960
1271483	36x2x1.0	41.7	blue	696.0	3960
1271500	1x2x1.5	12.9	black	33.6	336
1271501	1x2x1.5	12.9	blue	33.6	336
1271502	2x2x1.5	17.6	black	62.4	589
1271503	2x2x1.5	17.6	blue	62.4	589
1271524	3x2x1.5	18.7	black	91.2	675
1271525	3x2x1.5	18.7	blue	91.2	675
1271504	4x2x1.5	20.0	black	120.0	849
1271505	4x2x1.5	20.0	blue	120.0	849
1271506	6x2x1.5	23.7	black	177.6	1034
1271507	6x2x1.5	23.7	blue	177.6	1034
1271508	8x2x1.5	26.2	black	235.2	1194
1271509	8x2x1.5	26.2	blue	235.2	1194
1271510	10x2x1.5	29.0	black	292.8	1606
1271511	10x2x1.5	29.0	blue	292.8	1606

Special applications
Instrumentation cables

Article number	Number of pairs/ conductor cross section (mm ²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1271512	12x2x1.5	29.9	black	350.4	1799
1271513	12x2x1.5	29.9	blue	350.4	1799
1271526	16x2x1.5	32.6	black	465.6	2019
1271527	16x2x1.5	32.6	blue	465.6	2019
1271516	20x2x1.5	36.7	black	580.8	2492
1271517	20x2x1.5	36.7	blue	580.8	2492
1271518	24x2x1.5	40.4	black	696.0	3080
1271519	24x2x1.5	40.4	blue	696.0	3080
1271520	30x2x1.5	42.5	black	868.8	3575
1271521	30x2x1.5	42.5	blue	868.8	3575
1271522	36x2x1.5	46.8	black	1,041.6	4147
1271523	36x2x1.5	46.8	blue	1,041.6	4147
1271550	1x2x2.5	14.4	black	52.8	407
1271551	1x2x2.5	14.4	blue	52.8	407
1271552	2x2x2.5	20.1	black	100.8	689
1271553	2x2x2.5	20.1	blue	100.8	689
1271576	3x2x2.5	21.0	black	148.8	855
1271577	3x2x2.5	21.0	blue	148.8	855
1271554	4x2x2.5	23.5	black	196.8	1111
1271555	4x2x2.5	23.5	blue	196.8	1111
1271556	6x2x2.5	27.2	black	292.8	1518
1271557	6x2x2.5	27.2	blue	292.8	1518
1271558	8x2x2.5	30.2	black	388.8	1793
1271559	8x2x2.5	30.2	blue	388.8	1793
1271560	10x2x2.5	33.9	black	484.8	2145
1271561	10x2x2.5	33.9	blue	484.8	2145
1271562	12x2x2.5	35.6	black	580.8	2437
1271563	12x2x2.5	35.6	blue	580.8	2437
1271574	16x2x2.5	39.0	black	772.8	3058
1271575	16x2x2.5	39.0	blue	772.8	3058
1271566	20x2x2.5	43.2	black	964.8	3740
1271567	20x2x2.5	43.2	blue	964.8	3740
1271568	24x2x2.5	48.6	black	1,156.8	4180
1271569	24x2x2.5	48.6	blue	1,156.8	4180
1271570	30x2x2.5	51.1	black	1,444.8	4785
1271571	30x2x2.5	51.1	blue	1,444.8	4785
1271572	36x2x2.5	54.8	black	1,732.8	5280
1271573	36x2x2.5	54.8	blue	1,732.8	5280
1271800	3x0.5	11.6	black	19.2	280
1271801	3x0.5	11.6	blue	19.2	280
1271802	4x0.5	12.4	black	24.0	335
1271803	4x0.5	12.4	blue	24.0	335
1271804	6x0.5	13.6	black	33.6	360
1271805	6x0.5	13.6	blue	33.6	360
1271818	8x0.5	15.0	black	43.2	445
1271819	8x0.5	15.0	blue	43.2	445
1271806	10x0.5	16.1	black	52.8	510
1271807	10x0.5	16.1	blue	52.8	510
1271820	12x0.5	16.5	black	62.4	575
1271821	12x0.5	16.5	blue	62.4	575
1271808	16x0.5	18.7	black	81.6	710
1271809	16x0.5	18.7	blue	81.6	710
1271810	20x0.5	20.0	black	100.8	960
1271811	20x0.5	20.0	blue	100.8	960
1271812	24x0.5	21.9	black	120.0	1160
1271813	24x0.5	21.9	blue	120.0	1160
1271814	30x0.5	23.4	black	148.8	1280
1271815	30x0.5	23.4	blue	148.8	1280
1271816	40x0.5	25.8	black	196.8	1440
1271817	40x0.5	25.8	blue	196.8	1440
1271830	3x0.75	12.3	black	26.4	305
1271831	3x0.75	12.3	blue	26.4	305
1271832	4x0.75	12.9	black	33.6	355

Article number	Number of pairs/ conductor cross section (mm ²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1271833	4x0.75	12.9	blue	33.6	355
1271834	6x0.75	14.5	black	48.0	400
1271835	6x0.75	14.5	blue	48.0	400
1271848	8x0.75	15.7	black	62.4	502
1271849	8x0.75	15.7	blue	62.4	502
1271836	10x0.75	17.9	black	76.8	565
1271837	10x0.75	17.9	blue	76.8	565
1271850	12x0.75	18.3	black	91.2	615
1271851	12x0.75	18.3	blue	91.2	615
1271838	16x0.75	19.7	black	120.0	760
1271839	16x0.75	19.7	blue	120.0	760
1271840	20x0.75	21.4	black	148.8	950
1271841	20x0.75	21.4	blue	148.8	950
1271842	24x0.75	23.8	black	177.6	1120
1271843	24x0.75	23.8	blue	177.6	1120
1271844	30x0.75	25.0	black	220.8	1380
1271845	30x0.75	25.0	blue	220.8	1380
1271846	40x0.75	27.3	black	292.8	1590
1271847	40x0.75	27.3	blue	292.8	1590
1271860	3x1.5	13.3	black	48.0	380
1271861	3x1.5	13.3	blue	48.0	380
1271862	4x1.5	14.1	black	62.4	420
1271863	4x1.5	14.1	blue	62.4	420
1271864	6x1.5	16.1	black	91.2	540
1271865	6x1.5	16.1	blue	91.2	540
1271879	8x1.5	18.3	black	120.0	618
1271880	8x1.5	18.3	blue	120.0	618
1271866	10x1.5	20.0	black	148.8	750
1271867	10x1.5	20.0	blue	148.8	750
1271881	12x1.5	20.5	black	177.6	828
1271882	12x1.5	20.5	blue	177.6	828
1271868	16x1.5	22.4	black	235.2	1010
1271869	16x1.5	22.4	blue	235.2	1010
1271870	20x1.5	25.1	black	292.8	1260
1271871	20x1.5	25.1	blue	292.8	1260
1271872	24x1.5	27.2	black	350.4	1450
1271873	24x1.5	27.2	blue	350.4	1450
1271874	30x1.5	28.5	black	436.8	1675
1271875	30x1.5	28.5	blue	436.8	1675
1271876	40x1.5	31.5	black	580.8	2140
1271877	40x1.5	31.5	blue	580.8	2140
1271900	3x2.5	15.1	black	76.8	500
1271901	3x2.5	15.1	blue	76.8	500
1271902	4x2.5	16.0	black	100.8	535
1271903	4x2.5	16.0	blue	100.8	535
1271904	6x2.5	19.1	black	148.8	780
1271905	6x2.5	19.1	blue	148.8	780
1271918	8x2.5	20.7	black	196.8	856
1271919	8x2.5	20.7	blue	196.8	856
1271906	10x2.5	23.6	black	244.8	940
1271907	10x2.5	23.6	blue	244.8	940
1271920	12x2.5	24.2	black	292.8	1285
1271921	12x2.5	24.2	blue	292.8	1285
1271908	16x2.5	26.5	black	388.8	1630
1271909	16x2.5	26.5	blue	388.8	1630
1271910	20x2.5	28.8	black	484.8	1950
1271911	20x2.5	28.8	blue	484.8	1950
1271912	24x2.5	31.5	black	580.8	2215
1271913	24x2.5	31.5	blue	580.8	2215
1271914	30x2.5	33.2	black	724.8	2680
1271915	30x2.5	33.2	blue	724.8	2680
1271916	40x2.5	37.8	black	964.8	3455
1271917	40x2.5	37.8	blue	964.8	3455

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.

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UNITRONIC®

ETHERLINE®

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ACCESSORIES

APPENDIX