

ÖLFLEX® INSTRUM RE-Y(ST)Y



Info

- Un-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 indoor installation and suitable for wet and damp areas
- 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 (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

6 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 (mm ²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1270800	1x2x0.5	6.9	black	14.4	60
1270801	1x2x0.5	6.9	blue	14.4	60
1270802	2x2x0.5	9.8	black	24.0	86
1270803	2x2x0.5	9.8	blue	24.0	86
1270824	3x2x0.5	10.6	black	33.6	125
1270825	3x2x0.5	10.6	blue	33.6	125
1270804	4x2x0.5	11.5	black	43.2	160
1270805	4x2x0.5	11.5	blue	43.2	160
1270828	5x2x0.5	12.5	black	52.8	174
1270829	5x2x0.5	12.5	blue	52.8	174
1270806	6x2x0.5	13.7	black	62.4	224
1270807	6x2x0.5	13.7	blue	62.4	224
1270808	8x2x0.5	15.2	black	81.6	270
1270809	8x2x0.5	15.2	blue	81.6	270
1270810	10x2x0.5	17.4	black	100.8	334
1270811	10x2x0.5	17.4	blue	100.8	334
1270812	12x2x0.5	17.9	black	120.0	391
1270813	12x2x0.5	17.9	blue	120.0	391
1270826	16x2x0.5	20.0	black	158.4	520
1270827	16x2x0.5	20.0	blue	158.4	520
1270816	20x2x0.5	20.8	black	196.8	604
1270817	20x2x0.5	20.8	blue	196.8	604
1270818	24x2x0.5	22.4	black	235.2	713
1270819	24x2x0.5	22.4	blue	235.2	713
1270820	30x2x0.5	26.4	black	292.8	863
1270821	30x2x0.5	26.4	blue	292.8	863
1270822	36x2x0.5	28.6	black	350.4	960
1270823	36x2x0.5	28.6	blue	350.4	960
1270840	1x2x0.75	7.3	black	19.2	69
1270841	1x2x0.75	7.3	blue	19.2	69
1270842	2x2x0.75	10.7	black	33.6	104
1270843	2x2x0.75	10.7	blue	33.6	104
1270866	3x2x0.75	11.3	black	48.0	118
1270867	3x2x0.75	11.3	blue	48.0	118
1270844	4x2x0.75	12.3	black	62.4	187
1270845	4x2x0.75	12.3	blue	62.4	187
1270868	5x2x0.75	13.6	black	76.8	223
1270869	5x2x0.75	13.6	blue	76.8	223
1270846	6x2x0.75	14.7	black	91.2	282
1270847	6x2x0.75	14.7	blue	91.2	282
1270848	8x2x0.75	16.7	black	120.0	345
1270849	8x2x0.75	16.7	blue	120.0	345
1270850	10x2x0.75	19.0	black	148.8	426
1270851	10x2x0.75	19.0	blue	148.8	426
1270852	12x2x0.75	19.6	black	177.6	495
1270853	12x2x0.75	19.6	blue	177.6	495

Article number	Number of pairs/ conductor cross section (mm ²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1270864	16x2x0.75	21.8	black	235.2	685
1270865	16x2x0.75	21.8	blue	235.2	685
1270856	20x2x0.75	24.5	black	292.8	782
1270857	20x2x0.75	24.5	blue	292.8	782
1270858	24x2x0.75	27.2	black	350.4	909
1270859	24x2x0.75	27.2	blue	350.4	909
1270860	30x2x0.75	28.8	black	436.8	1059
1270861	30x2x0.75	28.8	blue	436.8	1059
1270862	36x2x0.75	31.2	black	523.2	1363
1270863	36x2x0.75	31.2	blue	523.2	1363
1270900	1x2x1.0	7.9	black	24.0	92
1270901	1x2x1.0	7.9	blue	24.0	92
1270902	2x2x1.0	11.3	black	43.2	129
1270903	2x2x1.0	11.3	blue	43.2	129
1270926	3x2x1.0	12.0	black	62.4	155
1270927	3x2x1.0	12.0	blue	62.4	155
1270904	4x2x1.0	13.2	black	81.6	234
1270905	4x2x1.0	13.2	blue	81.6	234
1270928	5x2x1.0	14.4	black	100.8	273
1270929	5x2x1.0	14.4	blue	100.8	273
1270906	6x2x1.0	15.9	black	120.0	352
1270907	6x2x1.0	15.9	blue	120.0	352
1270908	8x2x1.0	17.7	black	158.4	431
1270909	8x2x1.0	17.7	blue	158.4	431
1270910	10x2x1.0	20.1	black	196.8	532
1270911	10x2x1.0	20.1	blue	196.8	532
1270912	12x2x1.0	20.8	black	235.2	618
1270913	12x2x1.0	20.8	blue	235.2	618
1270924	16x2x1.0	23.2	black	312.0	844
1270925	16x2x1.0	23.2	blue	312.0	844
1270916	20x2x1.0	26.0	black	388.8	978
1270917	20x2x1.0	26.0	blue	388.8	978
1270918	24x2x1.0	29.0	black	465.6	1136
1270919	24x2x1.0	29.0	blue	465.6	1136
1270920	30x2x1.0	30.9	black	580.8	1300
1270921	30x2x1.0	30.9	blue	580.8	1300
1270922	36x2x1.0	33.5	black	696.0	1703
1270923	36x2x1.0	33.5	blue	696.0	1703
1270950	1x2x1.5	8.5	black	33.6	104
1270951	1x2x1.5	8.5	blue	33.6	104
1270952	2x2x1.5	12.3	black	62.4	155
1270953	2x2x1.5	12.3	blue	62.4	155
1270978	3x2x1.5	13.2	black	91.2	176
1270979	3x2x1.5	13.2	blue	91.2	176
1270954	4x2x1.5	14.4	black	120.0	290
1270955	4x2x1.5	14.4	blue	120.0	290

Article number	Number of pairs/ conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1270974	5x2x1.5	16.0	black	148.8	311
1270975	5x2x1.5	16.0	blue	148.8	311
1270956	6x2x1.5	17.4	black	177.6	408
1270957	6x2x1.5	17.4	blue	177.6	408
1270958	8x2x1.5	19.6	black	235.2	518
1270959	8x2x1.5	19.6	blue	235.2	518
1270960	10x2x1.5	22.4	black	292.8	650
1270961	10x2x1.5	22.4	blue	292.8	650
1270962	12x2x1.5	23.1	black	350.4	759
1270963	12x2x1.5	23.1	blue	350.4	759
1270976	16x2x1.5	25.8	black	465.6	999
1270977	16x2x1.5	25.8	blue	465.6	999
1270966	20x2x1.5	28.9	black	580.8	1219
1270967	20x2x1.5	28.9	blue	580.8	1219
1270968	24x2x1.5	32.4	black	696.0	1443
1270969	24x2x1.5	32.4	blue	696.0	1443
1270970	30x2x1.5	34.3	black	868.8	1783
1270971	30x2x1.5	34.3	blue	868.8	1783
1270972	36x2x1.5	37.4	black	1,041.6	2122
1270973	36x2x1.5	37.4	blue	1,041.6	2122
1271000	1x2x2.5	9.8	black	52.8	132
1271001	1x2x2.5	9.8	blue	52.8	132
1271002	2x2x2.5	14.6	black	100.8	226
1271003	2x2x2.5	14.6	blue	100.8	226
1271026	3x2x2.5	15.5	black	148.8	258
1271027	3x2x2.5	15.5	blue	148.8	258
1271004	4x2x2.5	17.1	black	196.8	372
1271005	4x2x2.5	17.1	blue	196.8	372
1271006	6x2x2.5	20.6	black	292.8	583
1271007	6x2x2.5	20.6	blue	292.8	583
1271008	8x2x2.5	23.4	black	388.8	743
1271009	8x2x2.5	23.4	blue	388.8	743
1271010	10x2x2.5	26.9	black	484.8	935
1271011	10x2x2.5	26.9	blue	484.8	935
1271012	12x2x2.5	27.8	black	580.8	1111
1271013	12x2x2.5	27.8	blue	580.8	1111
1271024	16x2x2.5	31.0	black	772.8	1420
1271025	16x2x2.5	31.0	blue	772.8	1420
1271016	20x2x2.5	35.0	black	964.8	1804
1271017	20x2x2.5	35.0	blue	964.8	1804
1271018	24x2x2.5	39.0	black	1,156.8	2112
1271019	24x2x2.5	39.0	blue	1,156.8	2112
1271020	30x2x2.5	41.5	black	1,444.8	2563
1271021	30x2x2.5	41.5	blue	1,444.8	2563
1271022	36x2x2.5	45.0	black	1,732.8	3080
1271023	36x2x2.5	45.0	blue	1,732.8	3080
1271250	3x0.5	7.2	black	19.2	51
1271251	3x0.5	7.2	blue	19.2	51
1271252	4x0.5	8.0	black	24.0	63
1271253	4x0.5	8.0	blue	24.0	63
1271254	6x0.5	9.2	black	33.6	89
1271255	6x0.5	9.2	blue	33.6	89
1271268	8x0.5	10.4	black	43.2	110
1271269	8x0.5	10.4	blue	43.2	110
1271256	10x0.5	11.5	black	52.8	135
1271257	10x0.5	11.5	blue	52.8	135
1271270	12x0.5	11.9	black	62.4	158
1271271	12x0.5	11.9	blue	62.4	158
1271258	16x0.5	13.2	black	81.6	198
1271259	16x0.5	13.2	blue	81.6	198
1271260	20x0.5	14.5	black	100.8	248
1271261	20x0.5	14.5	blue	100.8	248
1271262	24x0.5	16.2	black	120.0	292
1271263	24x0.5	16.2	blue	120.0	292
1271264	30x0.5	17.0	black	148.8	360
1271265	30x0.5	17.0	blue	148.8	360
1271266	40x0.5	19.2	black	196.8	469

Article number	Number of pairs/ conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1271267	40x0.5	19.2	blue	196.8	469
1271280	3x0.75	7.9	black	26.4	61
1271281	3x0.75	7.9	blue	26.4	61
1271282	4x0.75	8.5	black	33.6	76
1271283	4x0.75	8.5	blue	33.6	76
1271284	6x0.75	9.8	black	48.0	110
1271285	6x0.75	9.8	blue	48.0	110
1271248	8x0.75	11.1	black	62.4	140
1271249	8x0.75	11.1	blue	62.4	140
1271286	10x0.75	12.4	black	76.8	173
1271287	10x0.75	12.4	blue	76.8	173
1271298	12x0.75	12.8	black	91.2	200
1271299	12x0.75	12.8	blue	91.2	200
1271288	16x0.75	14.2	black	120.0	255
1271289	16x0.75	14.2	blue	120.0	255
1271290	20x0.75	15.9	black	148.8	315
1271291	20x0.75	15.9	blue	148.8	315
1271292	24x0.75	17.4	black	177.6	380
1271293	24x0.75	17.4	blue	177.6	380
1271294	30x0.75	18.6	black	220.8	457
1271295	30x0.75	18.6	blue	220.8	457
1271296	40x0.75	20.7	black	292.8	598
1271297	40x0.75	20.7	blue	292.8	598
1271300	3x1.5	9.0	black	48.0	95
1271301	3x1.5	9.0	blue	48.0	95
1271302	4x1.5	9.7	black	62.4	120
1271303	4x1.5	9.7	blue	62.4	120
1271304	6x1.5	11.5	black	91.2	175
1271305	6x1.5	11.5	blue	91.2	175
1271318	8x1.5	12.8	black	120.0	225
1271319	8x1.5	12.8	blue	120.0	225
1271306	10x1.5	14.5	black	148.8	275
1271307	10x1.5	14.5	blue	148.8	275
1271320	12x1.5	15.0	black	177.6	325
1271321	12x1.5	15.0	blue	177.6	325
1271308	16x1.5	16.7	black	235.2	420
1271309	16x1.5	16.7	blue	235.2	420
1271310	20x1.5	18.7	black	292.8	520
1271311	20x1.5	18.7	blue	292.8	520
1271312	24x1.5	20.6	black	350.4	624
1271313	24x1.5	20.6	blue	350.4	624
1271314	30x1.5	21.9	black	436.8	760
1271315	30x1.5	21.9	blue	436.8	760
1271316	40x1.5	24.7	black	580.8	998
1271317	40x1.5	24.7	blue	580.8	998
1271340	3x2.5	9.9	black	76.8	145
1271341	3x2.5	9.9	blue	76.8	145
1271342	4x2.5	10.9	black	100.8	182
1271343	4x2.5	10.9	blue	100.8	182
1271344	6x2.5	12.8	black	148.8	266
1271345	6x2.5	12.8	blue	148.8	266
1271358	8x2.5	14.5	black	196.8	350
1271359	8x2.5	14.5	blue	196.8	350
1271346	10x2.5	16.4	black	244.8	434
1271347	10x2.5	16.4	blue	244.8	434
1271360	12x2.5	17.0	black	292.8	510
1271361	12x2.5	17.0	blue	292.8	510
1271348	16x2.5	18.9	black	388.8	663
1271349	16x2.5	18.9	blue	388.8	663
1271350	20x2.5	21.2	black	484.8	820
1271351	20x2.5	21.2	blue	484.8	820
1271352	24x2.5	23.3	black	580.8	985
1271353	24x2.5	23.3	blue	580.8	985
1271354	30x2.5	24.9	black	724.8	1212
1271355	30x2.5	24.9	blue	724.8	1212
1271356	40x2.5	28.1	black	964.8	1595
1271357	40x2.5	28.1	blue	964.8	1595

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.