

Special applications
Instrumentation cables

ÖLFLEX® INSTRUM RE-2X(ST)Y PiMF



Info

- Un-armoured
- Individual and Overall Screen
- XLPE insulation

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)



Design

- Stranded plain annealed copper wires
- XLPE core insulation
- Pairs are collectively screened with aluminium polyester tape
- Tinned copper drain wire
- PVC outer sheath, black or blue

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**
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 +90°C

Article number	Number of pairs/ conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1270200	2x2x0.5	10.8	black	33.6	89
1270201	2x2x0.5	10.8	blue	33.6	89
1270202	4x2x0.5	12.4	black	62.4	156
1270203	4x2x0.5	12.4	blue	62.4	156
1270204	6x2x0.5	14.7	black	91.2	213
1270205	6x2x0.5	14.7	blue	91.2	213
1270206	8x2x0.5	16.7	black	120.0	259
1270207	8x2x0.5	16.7	blue	120.0	259
1270208	10x2x0.5	18.9	black	148.8	323
1270209	10x2x0.5	18.9	blue	148.8	323
1270210	12x2x0.5	19.5	black	177.6	378
1270211	12x2x0.5	19.5	blue	177.6	378
1270212	16x2x0.5	21.7	black	235.2	497
1270213	16x2x0.5	21.7	blue	235.2	497
1270214	20x2x0.5	24.5	black	292.8	599
1270215	20x2x0.5	24.5	blue	292.8	599
1270216	24x2x0.5	27.1	black	350.4	693
1270217	24x2x0.5	27.1	blue	350.4	693
1270218	30x2x0.5	28.6	black	436.8	833
1270219	30x2x0.5	28.6	blue	436.8	833
1270220	36x2x0.5	31.0	black	523.2	929
1270221	36x2x0.5	31.0	blue	523.2	929
1270240	2x2x0.75	11.6	black	43.2	106
1270241	2x2x0.75	11.6	blue	43.2	106
1270242	4x2x0.75	13.5	black	81.6	195
1270243	4x2x0.75	13.5	blue	81.6	195
1270244	6x2x0.75	16.1	black	120.0	255
1270245	6x2x0.75	16.1	blue	120.0	255
1270246	8x2x0.75	18.0	black	158.4	310
1270247	8x2x0.75	18.0	blue	158.4	310
1270248	10x2x0.75	20.5	black	196.8	387
1270249	10x2x0.75	20.5	blue	196.8	387
1270250	12x2x0.75	21.3	black	235.2	451
1270251	12x2x0.75	21.3	blue	235.2	451
1270252	16x2x0.75	23.8	black	312.0	612
1270253	16x2x0.75	23.8	blue	312.0	612
1270254	20x2x0.75	26.7	black	388.8	740
1270255	20x2x0.75	26.7	blue	388.8	740
1270256	24x2x0.75	29.5	black	465.6	859
1270257	24x2x0.75	29.5	blue	465.6	859
1270258	30x2x0.75	31.2	black	580.8	1046
1270259	30x2x0.75	31.2	blue	580.8	1046
1270260	36x2x0.75	33.9	black	696.0	1284
1270261	36x2x0.75	33.9	blue	696.0	1284
1270280	2x2x1.0	12.2	black	52.8	133
1270281	2x2x1.0	12.2	blue	52.8	133
1270282	4x2x1.0	14.3	black	100.8	243
1270283	4x2x1.0	14.3	blue	100.8	243
1270284	6x2x1.0	17.1	black	148.8	319
1270285	6x2x1.0	17.1	blue	148.8	319
1270286	8x2x1.0	19.6	black	196.8	388
1270287	8x2x1.0	19.6	blue	196.8	388
1270288	10x2x1.0	22.0	black	244.8	483
1270289	10x2x1.0	22.0	blue	244.8	483
1270290	12x2x1.0	22.7	black	292.8	563

Article number	Number of pairs/ conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1270291	12x2x1.0	22.7	blue	292.8	563
1270292	16x2x1.0	25.3	black	388.8	765
1270293	16x2x1.0	25.3	blue	388.8	765
1270294	20x2x1.0	28.3	black	484.8	924
1270295	20x2x1.0	28.3	blue	484.8	924
1270296	24x2x1.0	31.7	black	580.8	1073
1270297	24x2x1.0	31.7	blue	580.8	1073
1270298	30x2x1.0	33.5	black	724.8	1307
1270299	30x2x1.0	33.5	blue	724.8	1307
1270300	36x2x1.0	36.4	black	868.8	1604
1270301	36x2x1.0	36.4	blue	868.8	1604
1270330	2x2x1.5	13.5	black	72.0	149
1270331	2x2x1.5	13.5	blue	72.0	149
1270332	4x2x1.5	15.8	black	139.2	284
1270333	4x2x1.5	15.8	blue	139.2	284
1270334	6x2x1.5	18.9	black	206.4	361
1270335	6x2x1.5	18.9	blue	206.4	361
1270336	8x2x1.5	21.4	black	273.6	468
1270337	8x2x1.5	21.4	blue	273.6	468
1270338	10x2x1.5	24.3	black	340.8	578
1270339	10x2x1.5	24.3	blue	340.8	578
1270340	12x2x1.5	25.1	black	408.0	680
1270341	12x2x1.5	25.1	blue	408.0	680
1270342	16x2x1.5	28.0	black	542.4	897
1270343	16x2x1.5	28.0	blue	542.4	897
1270344	20x2x1.5	31.5	black	676.8	1086
1270345	20x2x1.5	31.5	blue	676.8	1086
1270346	24x2x1.5	35.1	black	811.2	1267
1270347	24x2x1.5	35.1	blue	811.2	1267
1270348	30x2x1.5	37.4	black	1,012.8	1551
1270349	30x2x1.5	37.4	blue	1,012.8	1551
1270350	36x2x1.5	40.6	black	1,214.4	1896
1270351	36x2x1.5	40.6	blue	1,214.4	1896
1270360	2x2x2.5	15.9	black	110.4	189
1270361	2x2x2.5	15.9	blue	110.4	189
1270362	4x2x2.5	18.7	black	216.0	309
1270363	4x2x2.5	18.7	blue	216.0	309
1270364	6x2x2.5	22.4	black	321.6	496
1270365	6x2x2.5	22.4	blue	321.6	496
1270366	8x2x2.5	25.4	black	427.2	667
1270367	8x2x2.5	25.4	blue	427.2	667
1270368	10x2x2.5	28.8	black	532.8	853
1270369	10x2x2.5	28.8	blue	532.8	853
1270370	12x2x2.5	30.2	black	638.4	1055
1270371	12x2x2.5	30.2	blue	638.4	1055
1270372	16x2x2.5	33.6	black	849.6	1280
1270373	16x2x2.5	33.6	blue	849.6	1280
1270374	20x2x2.5	37.9	black	1,060.8	1546
1270375	20x2x2.5	37.9	blue	1,060.8	1546
1270376	24x2x2.5	42.2	black	1,272.0	1890
1270377	24x2x2.5	42.2	blue	1,272.0	1890
1270378	30x2x2.5	45.0	black	1,588.8	2230
1270379	30x2x2.5	45.0	blue	1,588.8	2230
1270380	36x2x2.5	49.0	black	1,905.6	2699
1270381	36x2x2.5	49.0	blue	1,905.6	2699

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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