



Info

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

Technical data

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

ÖLFLEX® INSTRUM RE-Y(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

Approvals (Norm references)



Product Make-up

- Stranded plain annealed copper wires
- PVC (V-90HT) 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 (5V-90) outer sheath, black or blue
- Also available in LSHF version

Product features

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

Article number	Number of pairs/conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1271600	2x2x0.5	15.4	black	33.6	413
1271601	2x2x0.5	15.4	blue	33.6	413
1271624	3x2x0.5	16.0	black	48.0	495
1271625	3x2x0.5	16.0	blue	48.0	495
1271602	4x2x0.5	17.7	black	62.4	623
1271603	4x2x0.5	17.7	blue	62.4	623
1271626	5x2x0.5	19.1	black	76.8	734
1271627	5x2x0.5	19.1	blue	76.8	734
1271604	6x2x0.5	20.2	black	91.2	847
1271605	6x2x0.5	20.2	blue	91.2	847
1271606	8x2x0.5	22.3	black	120.0	968
1271607	8x2x0.5	22.3	blue	120.0	968
1271608	10x2x0.5	25.3	black	148.8	1309
1271609	10x2x0.5	25.3	blue	148.8	1309
1271610	12x2x0.5	26.1	black	177.6	1447
1271611	12x2x0.5	26.1	blue	177.6	1447
1271622	16x2x0.5	28.3	black	235.2	1623
1271623	16x2x0.5	28.3	blue	235.2	1623
1271614	20x2x0.5	31.1	black	292.8	1942
1271615	20x2x0.5	31.1	blue	292.8	1942
1271616	24x2x0.5	34.8	black	350.4	2112
1271617	24x2x0.5	34.8	blue	350.4	2112
1271618	30x2x0.5	36.6	black	436.8	2640
1271619	30x2x0.5	36.6	blue	436.8	2640
1271620	36x2x0.5	39.0	black	523.2	3238
1271621	36x2x0.5	39.0	blue	523.2	3238
1271630	2x2x0.75	16.1	black	43.2	451
1271631	2x2x0.75	16.1	blue	43.2	451
1271654	3x2x0.75	17.5	black	62.4	565
1271655	3x2x0.75	17.5	blue	62.4	565
1271632	4x2x0.75	19.0	black	81.6	717
1271633	4x2x0.75	19.0	blue	81.6	717
1271656	5x2x0.75	20.1	black	100.8	838
1271657	5x2x0.75	20.1	blue	100.8	838
1271634	6x2x0.75	21.6	black	120.0	952
1271635	6x2x0.75	21.6	blue	120.0	952
1271636	8x2x0.75	24.3	black	158.4	1084
1271637	8x2x0.75	24.3	blue	158.4	1084
1271638	10x2x0.75	27.0	black	196.8	1458
1271639	10x2x0.75	27.0	blue	196.8	1458
1271640	12x2x0.75	27.9	black	235.2	1612
1271641	12x2x0.75	27.9	blue	235.2	1612
1271652	16x2x0.75	30.5	black	312.0	1827
1271653	16x2x0.75	30.5	blue	312.0	1827
1271644	20x2x0.75	33.3	black	388.8	2525
1271645	20x2x0.75	33.3	blue	388.8	2525
1271646	24x2x0.75	37.5	black	465.6	2772
1271647	24x2x0.75	37.5	blue	465.6	2772
1271648	30x2x0.75	39.2	black	580.8	3245
1271649	30x2x0.75	39.2	blue	580.8	3245
1271650	36x2x0.75	42.0	black	696.0	3762
1271651	36x2x0.75	42.0	blue	696.0	3762
1271680	2x2x1.0	17.5	black	52.8	564
1271681	2x2x1.0	17.5	blue	52.8	564
1271704	3x2x1.0	18.6	black	76.8	710
1271705	3x2x1.0	18.6	blue	76.8	710
1271682	4x2x1.0	19.7	black	100.8	879
1271683	4x2x1.0	19.7	blue	100.8	879
1271706	5x2x1.0	21.0	black	124.8	998
1271707	5x2x1.0	21.0	blue	124.8	998
1271684	6x2x1.0	23.5	black	148.8	1189
1271685	6x2x1.0	23.5	blue	148.8	1189
1271686	8x2x1.0	25.9	black	196.8	1354
1271687	8x2x1.0	25.9	blue	196.8	1354
1271688	10x2x1.0	28.5	black	244.8	1822

Article number	Number of pairs/conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1271689	10x2x1.0	28.5	blue	288.0	1822
1271690	12x2x1.0	29.4	black	345.6	2014
1271691	12x2x1.0	29.4	blue	345.6	2014
1271702	16x2x1.0	32.0	black	422.4	2284
1271703	16x2x1.0	32.0	blue	422.4	2284
1271694	20x2x1.0	36.1	black	518.4	3156
1271695	20x2x1.0	36.1	blue	518.4	3156
1271696	24x2x1.0	39.5	black	624.0	3465
1271697	24x2x1.0	39.5	blue	624.0	3465
1271698	30x2x1.0	41.7	black	753.6	4056
1271699	30x2x1.0	41.7	blue	753.6	4056
1271700	36x2x1.0	44.7	black	896.4	4703
1271701	36x2x1.0	44.7	blue	896.4	4703
1271720	2x2x1.5	19.0	black	72.0	644
1271721	2x2x1.5	19.0	blue	72.0	644
1271746	3x2x1.5	19.8	black	105.6	788
1271747	3x2x1.5	19.8	blue	105.6	788
1271722	4x2x1.5	21.3	black	139.2	970
1271723	4x2x1.5	21.3	blue	139.2	970
1271742	5x2x1.5	23.6	black	172.8	1128
1271743	5x2x1.5	23.6	blue	172.8	1128
1271724	6x2x1.5	25.3	black	206.4	1315
1271725	6x2x1.5	25.3	blue	206.4	1315
1271726	8x2x1.5	27.9	black	273.6	1584
1271727	8x2x1.5	27.9	blue	273.6	1584
1271728	10x2x1.5	31.1	black	340.8	1865
1271729	10x2x1.5	31.1	blue	340.8	1865
1271730	12x2x1.5	31.9	black	408.0	2085
1271731	12x2x1.5	31.9	blue	408.0	2085
1271744	16x2x1.5	35.8	black	542.4	2638
1271745	16x2x1.5	35.8	blue	542.4	2638
1271734	20x2x1.5	39.4	black	676.8	3234
1271735	20x2x1.5	39.4	blue	676.8	3234
1271736	24x2x1.5	43.3	black	811.2	3542
1271737	24x2x1.5	43.3	blue	811.2	3542
1271738	30x2x1.5	46.8	black	1,012.8	4406
1271739	30x2x1.5	46.8	blue	1,012.8	4406
1271740	36x2x1.5	50.1	black	1,214.4	5418
1271741	36x2x1.5	50.1	blue	1,214.4	5418
1271760	2x2x2.5	21.4	black	110.4	803
1271761	2x2x2.5	21.4	blue	110.4	803
1271784	3x2x2.5	22.6	black	163.2	956
1271785	3x2x2.5	22.6	blue	163.2	956
1271762	4x2x2.5	25.1	black	216.0	1139
1271763	4x2x2.5	25.1	blue	216.0	1139
1271786	5x2x2.5	27.0	black	268.8	1386
1271787	5x2x2.5	27.0	blue	268.8	1386
1271764	6x2x2.5	29.0	black	321.6	1705
1271765	6x2x2.5	29.0	blue	321.6	1705
1271766	8x2x2.5	32.2	black	427.2	1997
1271767	8x2x2.5	32.2	blue	427.2	1997
1271768	10x2x2.5	37.0	black	532.8	2376
1271769	10x2x2.5	37.0	blue	532.8	2376
1271770	12x2x2.5	38.1	black	638.4	2717
1271771	12x2x2.5	38.1	blue	638.4	2717
1271782	16x2x2.5	41.8	black	849.6	3412
1271783	16x2x2.5	41.8	blue	849.6	3412
1271774	20x2x2.5	47.3	black	1,060.8	4052
1271775	20x2x2.5	47.3	blue	1,060.8	4052
1271776	24x2x2.5	52.0	black	1,272.0	4664
1271777	24x2x2.5	52.0	blue	1,272.0	4664
1271778	30x2x2.5	54.7	black	1,588.8	5506
1271779	30x2x2.5	54.7	blue	1,588.8	5506
1271780	36x2x2.5	58.9	black	1,905.6	6334
1271781	36x2x2.5	58.9	blue	1,905.6	6334

Photographs are not to scale and do not represent detailed images of the respective products.