



Info

- Un-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
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

ÖLFLEX® INSTRUM RE-Y(ST)Y PiMF



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

Approvals (Norm references)



Design

- 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 (5V-90) outer sheath, black or blue

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)
1271050	2x2x0.5	10.8	black	33.6	116
1271051	2x2x0.5	10.8	blue	33.6	116
1271074	3x2x0.5	11.4	black	48.0	155
1271075	3x2x0.5	11.4	blue	48.0	155
1271052	4x2x0.5	12.4	black	62.4	202
1271053	4x2x0.5	12.4	blue	62.4	202
1271076	5x2x0.5	13.6	black	76.8	238
1271077	5x2x0.5	13.6	blue	76.8	238
1271054	6x2x0.5	14.7	black	91.2	275
1271055	6x2x0.5	14.7	blue	91.2	275
1271056	8x2x0.5	16.7	black	120.0	336
1271057	8x2x0.5	16.7	blue	120.0	336
1271058	10x2x0.5	18.9	black	148.8	418
1271059	10x2x0.5	18.9	blue	148.8	418
1271060	12x2x0.5	19.5	black	177.6	490
1271061	12x2x0.5	19.5	blue	177.6	490
1271072	16x2x0.5	21.7	black	241.8	702
1271073	16x2x0.5	21.7	blue	241.8	702
1271064	20x2x0.5	24.5	black	292.8	776
1271065	20x2x0.5	24.5	blue	292.8	776
1271066	24x2x0.5	27.1	black	350.4	897
1271067	24x2x0.5	27.1	blue	350.4	897
1271068	30x2x0.5	28.6	black	436.8	1078
1271069	30x2x0.5	28.6	blue	436.8	1078
1271070	36x2x0.5	31.0	black	523.2	1330
1271071	36x2x0.5	31.0	blue	523.2	1330
1271080	2x2x0.75	11.6	black	43.2	138
1271081	2x2x0.75	11.6	blue	43.2	138
1271104	3x2x0.75	12.3	black	62.4	188
1271105	3x2x0.75	12.3	blue	62.4	188
1271082	4x2x0.75	13.5	black	81.6	252
1271083	4x2x0.75	13.5	blue	81.6	252
1271106	5x2x0.75	14.6	black	100.8	277
1271107	5x2x0.75	14.6	blue	100.8	277
1271084	6x2x0.75	16.1	black	120.0	330
1271085	6x2x0.75	16.1	blue	120.0	330
1271086	8x2x0.75	18.0	black	158.4	402
1271087	8x2x0.75	18.0	blue	158.4	402
1271088	10x2x0.75	20.5	black	196.8	501
1271089	10x2x0.75	20.5	blue	196.8	501
1271090	12x2x0.75	21.3	black	235.2	583
1271091	12x2x0.75	21.3	blue	235.2	583
1271102	16x2x0.75	23.8	black	312.0	810
1271103	16x2x0.75	23.8	blue	312.0	810
1271094	20x2x0.75	26.7	black	388.8	957
1271095	20x2x0.75	26.7	blue	388.8	957
1271096	24x2x0.75	29.5	black	465.6	1111
1271097	24x2x0.75	29.5	blue	465.6	1111
1271098	30x2x0.75	31.2	black	580.8	1353
1271099	30x2x0.75	31.2	blue	580.8	1353
1271100	36x2x0.75	33.9	black	696.0	1661
1271101	36x2x0.75	33.9	blue	696.0	1661
1271120	2x2x1.0	12.2	black	52.8	172
1271121	2x2x1.0	12.2	blue	52.8	172
1271144	3x2x1.0	13.1	black	76.8	227
1271145	3x2x1.0	13.1	blue	76.8	227
1271122	4x2x1.0	14.3	black	100.8	315
1271123	4x2x1.0	14.3	blue	100.8	315
1271146	5x2x1.0	15.7	black	124.8	365
1271147	5x2x1.0	15.7	blue	124.8	365
1271124	6x2x1.0	17.1	black	148.8	413
1271125	6x2x1.0	17.1	blue	148.8	413
1271126	8x2x1.0	19.6	black	196.8	502
1271127	8x2x1.0	19.6	blue	196.8	502
1271128	10x2x1.0	22.0	black	244.8	626

Article number	Number of pairs/conductor cross section (mm²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
1271129	10x2x1.0	22.0	blue	244.8	626
1271130	12x2x1.0	22.7	black	292.8	729
1271131	12x2x1.0	22.7	blue	292.8	729
1271142	16x2x1.0	25.3	black	388.8	998
1271143	16x2x1.0	25.3	blue	388.8	998
1271134	20x2x1.0	28.3	black	484.8	1196
1271135	20x2x1.0	28.3	blue	484.8	1196
1271136	24x2x1.0	31.7	black	580.8	1389
1271137	24x2x1.0	31.7	blue	580.8	1389
1271138	30x2x1.0	33.5	black	724.8	1691
1271139	30x2x1.0	33.5	blue	724.8	1691
1271140	36x2x1.0	36.4	black	868.8	2076
1271141	36x2x1.0	36.4	blue	868.8	2076
1271160	2x2x1.5	13.5	black	72.0	193
1271161	2x2x1.5	13.5	blue	72.0	193
1271182	3x2x1.5	14.3	black	105.6	273
1271183	3x2x1.5	14.3	blue	105.6	273
1271162	4x2x1.5	15.8	black	139.2	369
1271163	4x2x1.5	15.8	blue	139.2	369
1271184	5x2x1.5	17.2	black	172.8	412
1271185	5x2x1.5	17.2	blue	172.8	412
1271164	6x2x1.5	18.9	black	206.4	468
1271165	6x2x1.5	18.9	blue	206.4	468
1271166	8x2x1.5	21.4	black	273.6	605
1271167	8x2x1.5	21.4	blue	273.6	605
1271168	10x2x1.5	24.3	black	340.8	748
1271169	10x2x1.5	24.3	blue	340.8	748
1271170	12x2x1.5	25.1	black	408.0	880
1271171	12x2x1.5	25.1	blue	408.0	880
1271186	16x2x1.5	28.0	black	542.4	1288
1271187	16x2x1.5	28.0	blue	542.4	1288
1271174	20x2x1.5	31.5	black	676.8	1408
1271175	20x2x1.5	31.5	blue	676.8	1408
1271176	24x2x1.5	35.1	black	811.2	1639
1271177	24x2x1.5	35.1	blue	811.2	1639
1271178	30x2x1.5	37.4	black	1,012.8	2008
1271179	30x2x1.5	37.4	blue	1,012.8	2008
1271180	36x2x1.5	40.6	black	1,214.4	2453
1271181	36x2x1.5	40.6	blue	1,214.4	2453
1271200	2x2x2.5	15.9	black	110.4	259
1271201	2x2x2.5	15.9	blue	110.4	259
1271222	3x2x2.5	16.9	black	163.2	291
1271223	3x2x2.5	16.9	blue	163.2	291
1271202	4x2x2.5	18.7	black	216.0	379
1271203	4x2x2.5	18.7	blue	216.0	379
1271224	5x2x2.5	20.4	black	268.8	437
1271225	5x2x2.5	20.4	blue	268.8	437
1271204	6x2x2.5	22.4	black	321.6	666
1271205	6x2x2.5	22.4	blue	321.6	666
1271206	8x2x2.5	25.4	black	427.2	847
1271207	8x2x2.5	25.4	blue	427.2	847
1271208	10x2x2.5	28.8	black	532.8	1061
1271209	10x2x2.5	28.8	blue	532.8	1061
1271210	12x2x2.5	30.2	black	638.4	1249
1271211	12x2x2.5	30.2	blue	638.4	1249
1271226	16x2x2.5	33.6	black	849.6	1735
1271227	16x2x2.5	33.6	blue	849.6	1735
1271214	20x2x2.5	37.9	black	1,060.8	1986
1271215	20x2x2.5	37.9	blue	1,060.8	1986
1271216	24x2x2.5	42.2	black	1,272.0	2371
1271217	24x2x2.5	42.2	blue	1,272.0	2371
1271218	30x2x2.5	45.0	black	1,588.8	2849
1271219	30x2x2.5	45.0	blue	1,588.8	2849
1271220	36x2x2.5	49.0	black	1,905.6	3399
1271221	36x2x2.5	49.0	blue	1,905.6	3399

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