

## Power and control cables

### Special applications

#### Instrumentation cables

# ÖLFLEX® INSTRUM RE-Y(ST)Y



#### Info

- **Un-armoured**
- **PVC (V-90HT) Heat Resistant**
- **Overall Screen**
- **The previous product designation was INSTRUM BS5308 P2T1-OS**

#### 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
- Multicore cable are specially designed for shutdown and control system application
- 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 BS 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 (V-90HT) outer sheath, black or blue

#### Technical data

- Core identification code**  
Pair: black and white  
Multipair: black and white with numbers  
Multicore: black, white, and red (3 core)  
: black with numbers (4C and above)
- Specific insulation resistance**  
> 10 MOhm/km
- Conductor stranding**  
acc. to BS 6360 / IEC 60228 Cl. 2
- Minimum bending radius**  
6 x cable diameter
- Rated voltage**  
500 V  
<50 VAC / <75 VDC for Intrinsically Safe (IS) circuits application. See application range
- Test voltage**  
2000 V
- Range of temperature**  
-30°C to +105°C
- Reference standards**  
In acc. to BS EN 50288-7

Part Number	No. of pairs x Conductor Cross Section mm <sup>2</sup>	Approx. Outer Diameter in mm	Outer Sheath Colour	Approx. Copper Weight kg/km	Approx. Cable Weight kg/km
<b>PVC/OS/PVC</b>					
1270800	1x2x0.5	6.9	Black	14.4	60
1270801			Blue		
1270802	2x2x0.5	9.8	Black	24	86
1270803			Blue		
1270824	3x2x0.5	10.6	Black	33.6	125
1270825			Blue		
1270804	4x2x0.5	11.5	Black	43.2	160
1270805			Blue		
1270828	5x2x0.5	12.5	Black	52.8	174
1270829			Blue		
1270806	6x2x0.5	13.7	Black	62.4	224
1270807			Blue		
1270808	8x2x0.5	15.2	Black	81.6	270
1270809			Blue		
1270810	10x2x0.5	17.4	Black	100.8	334
1270811			Blue		
1270812	12x2x0.5	17.9	Black	120	391
1270813			Blue		
1270826	16x2x0.5	20.0	Black	158.4	520
1270827			Blue		
1270816	20x2x0.5	20.8	Black	196.8	604
1270817			Blue		
1270818	24x2x0.5	22.4	Black	235.2	713
1270819			Blue		
1270820	30x2x0.5	26.4	Black	292.8	863
1270821			Blue		
1270822	36x2x0.5	28.6	Black	350.4	960
1270823			Blue		
1270840	1x2x0.75	7.3	Black	19.2	69
1270841			Blue		
1270842	2x2x0.75	10.7	Black	33.6	104
1270843			Blue		
1270866	3x2x0.75	11.3	Black	48.0	118
1270867			Blue		
1270844	4x2x0.75	12.3	Black	62.4	187
1270845			Blue		
1270868	5x2x0.75	13.6	Black	76.8	223
1270869			Blue		
1270846	6x2x0.75	14.7	Black	91.2	282
1270847			Blue		
1270848	8x2x0.75	16.7	Black	120	345
1270849			Blue		
1270850	10x2x0.75	19.0	Black	148.8	426
1270851			Blue		
1270852	12x2x0.75	19.6	Black	177.6	495
1270853			Blue		
1270864	16x2x0.75	21.8	Black	235.2	685
1270865			Blue		
1270856	20x2x0.75	24.5	Black	292.8	782
1270857			Blue		
1270858	24x2x0.75	27.2	Black	350.4	909
1270859			Blue		

**ÖLFLEX® INSTRUM RE-Y(ST)Y**

Part Number	No. of pairs x Conductor Cross Section mm <sup>2</sup>	Approx. Outer Diameter in mm	Outer Sheath Colour	Approx. Copper Weight kg/km	Approx. Cable Weight kg/km
<b>PVC/OS/PVC</b>					
1270860	30x2x0.75	28.8	Black	436.8	1059
1270861			Blue		
1270862	36x2x0.75	31.2	Black	523.3	1363
1270863			Blue		
1270900	1x2x1.0	7.9	Black	24	92
1270901			Blue		
1270902	2x2x1.0	11.3	Black	43.2	129
1270903			Blue		
1270926	3x2x1.0	12.0	Black	62.4	155
1270927			Blue		
1270904	4x2x1.0	13.2	Black	81.6	234
1270905			Blue		
1270928	5x2x1.0	14.4	Black	100.8	273
1270929			Blue		
1270906	6x2x1.0	15.9	Black	120	352
1270907			Blue		
1270908	8x2x1.0	17.7	Black	158.4	431
1270909			Blue		
1270910	10x2x1.0	20.1	Black	196.8	532
1270911			Blue		
1270912	12x2x1.0	20.8	Black	235.2	618
1270913			Blue		
1270924	16x2x1.0	23.2	Black	312	844
1270925			Blue		
1270916	20x2x1.0	26.0	Black	388.8	978
1270917			Blue		
1270918	24x2x1.0	29.0	Black	465.6	1136
1270919			Blue		
1270920	30x2x1.0	30.9	Black	580.8	1300
1270921			Blue		
1270922	36x2x1.0	33.5	Black	696	1703
1270923			Blue		
1270950	1x2x1.5	8.5	Black	33.6	104
1270951			Blue		
1270952	2x2x1.5	12.3	Black	62.4	155
1270953			Blue		
1270978	3x2x1.5	13.2	Black	91.2	176
1270979			Blue		
1270954	4x2x1.5	14.4	Black	120	290
1270955			Blue		
1270974	5x2x1.5	16.0	Black	148.8	311
1270975			Blue		
1270956	6x2x1.5	17.4	Black	177.6	408
1270957			Blue		
1270958	8x2x1.5	19.6	Black	235.2	518
1270959			Blue		
1270960	10x2x1.5	22.4	Black	292.8	650
1270961			Blue		
1270962	12x2x1.5	23.1	Black	350.4	759
1270963			Blue		
1270976	16x2x1.5	25.8	Black	465.6	999
1270977			Blue		
1270966	20x2x1.5	28.9	Black	580.8	1219
1270967			Blue		
1270968	24x2x1.5	32.4	Black	696	1443
1270969			Blue		
1270970	30x2x1.5	34.3	Black	868.8	1783
1270971			Blue		
1270972	36x2x1.5	37.4	Black	1041.6	2122
1270973			Blue		
1271000	1x2x2.5	9.8	Black	52.8	132
1271001			Blue		
1271002	2x2x2.5	14.6	Black	100.8	226
1271003			Blue		
1271026	3x2x2.5	15.5	Black	148.8	258
1271027			Blue		
1271004	4x2x2.5	17.1	Black	196.8	372
1271005			Blue		
1271006	6x2x2.5	20.6	Black	292.8	583
1271007			Blue		
1271008	8x2x2.5	23.4	Black	388.8	743
1271009			Blue		
1271010	10x2x2.5	26.9	Black	484.8	935
1271011			Blue		
1271012	12x2x2.5	27.8	Black	580.8	1111
1271013			Blue		
1271024	16x2x2.5	31.0	Black	724.8	1420
1271025			Blue		
1271016	20x2x2.5	35.0	Black	964.8	1804
1271017			Blue		
1271018	24x2x2.5	39.0	Black	1156.8	2112
1271019			Blue		
1271020	30x2x2.5	41.5	Black	1444.8	2563
1271021			Blue		
1271022	36x2x2.5	45.0	Black	1732.8	3080
1271023			Blue		

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Part Number	No. of core x Conductor Cross Section mm <sup>2</sup>	Approx. Outer Diameter in mm	Outer Sheath Colour	Approx. Copper Weight kg/km	Approx. Cable Weight kg/km
<b>PVC/OS/PVC (Multicore)</b>					
1271250	3x0.5	7.2	Black	19.2	51
1271251			Blue		
1271252	4x0.5	8.0	Black	24	63
1271253			Blue		
1271254	6x0.5	9.2	Black	33.6	89
1271255			Blue		
1271268	8x0.5	10.4	Black	38.4	110
1271269			Blue		
1271256	10x0.5	11.5	Black	52.8	135
1271257			Blue		
1271270	12x0.5	11.9	Black	57.6	158
1271271			Blue		
1271258	16x0.5	13.2	Black	81.6	198
1271259			Blue		
1271260	20x0.5	14.5	Black	100.8	248
1271261			Blue		
1271262	24x0.5	16.2	Black	120	292
1271263			Blue		
1271264	30x0.5	17.0	Black	148.8	360
1271265			Blue		
1271266	40x0.5	19.2	Black	196.8	469
1271267			Blue		
1271280	3x0.75	7.9	Black	26.4	61
1271281			Blue		
1271282	4x0.75	8.5	Black	33.6	76
1271283			Blue		
1271284	6x0.75	9.8	Black	48	110
1271285			Blue		
1271248	8x0.75	11.1	Black	57.6	140
1271249			Blue		
1271286	10x0.75	12.4	Black	76.8	173
1271287			Blue		
1271298	12x0.75	12.8	Black	86.4	200
1271299			Blue		
1271288	16x0.75	14.2	Black	120	255
1271289			Blue		
1271290	20x0.75	15.9	Black	148.8	315
1271291			Blue		
1271292	24x0.75	17.4	Black	177.6	380
1271293			Blue		
1271294	30x0.75	18.6	Black	220.8	457
1271295			Blue		
1271296	40x0.75	20.7	Black	292.8	598
1271297			Blue		
1271300	3x1.5	9.0	Black	48	95
1271301			Blue		
1271302	4x1.5	9.7	Black	62.4	120
1271303			Blue		
1271304	6x1.5	11.5	Black	91.2	175
1271305			Blue		
1271318	8x1.5	12.8	Black	115.2	225
1271319			Blue		
1271306	10x1.5	14.5	Black	148.8	275
1271307			Blue		
1271320	12x1.5	15.0	Black	172.8	325
1271321			Blue		
1271308	16x1.5	16.7	Black	235.2	420
1271309			Blue		
1271310	20x1.5	18.7	Black	292.8	520
1271311			Blue		
1271312	24x1.5	20.6	Black	350.4	624
1271313			Blue		
1271314	30x1.5	21.9	Black	436.8	760
1271315			Blue		
1271316	40x1.5	24.7	Black	580.8	998
1271317			Blue		
1271340	3x2.5	9.9	Black	76.8	145
1271341			Blue		
1271342	4x2.5	10.9	Black	100.8	182
1271343			Blue		
1271344	6x2.5	12.8	Black	148.8	266
1271345			Blue		
1271358	8x2.5	14.5	Black	192	350
1271359			Blue		
1271346	10x2.5	16.4	Black	244.8	434
1271347			Blue		
1271360	12x2.5	17.0	Black	288	510
1271361			Blue		
1271348	16x2.5	18.9	Black	388.8	663
1271349			Blue		
1271350	20x2.5	21.2	Black	484.8	820
1271351			Blue		
1271352	24x2.5	23.3	Black	580.8	985
1271353			Blue		
1271354	30x2.5	24.9	Black	724.8	1212
1271355			Blue		
1271356	40x2.5	28.1	Black	964.8	1595
1271357			Blue		