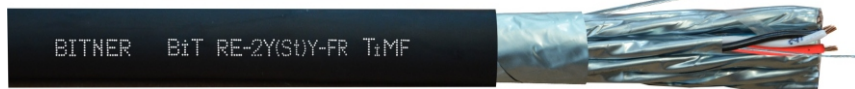


BiT RE-2Y(St)Y-FR TiMF



PVC sheathed instrumentation cables with collective electrostatic screen and individually screened triples, rated 500 V



industrial application



internal application



EN 60332-1-2



EN 60332-3-24



data transmission



UV resistance

Technical data:

Thermal parameters:

Temperature range:

operating temperature: -40 °C to 80 °C

installation temperature: -5 °C to 80 °C

Electrical parameters:

Operating voltage (peak value): $U = 500 \text{ V}$

Test voltage:

Core/core: 2000 V

Core/screen: 2000 V

Insulation resistance: $> 5 \text{ G}\Omega \times \text{km}$

Mechanical parameters:

Min. bending radius: $7,5 \times \varnothing$

Application:

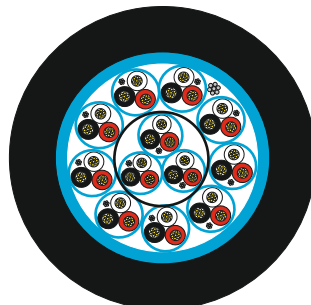
Cables designed for data transmission in numerical control systems ensuring optimum transmission of data up to 200 Kbit/s. Screened triples twisted together ensure very good crosstalk attenuation and collective electrostatic screen protects against external interferences. Cables are suitable for application indoor and in dry and damp rooms. Outer sheath is UV resistant. Cables classified according to **EN 50575 (CPR)**.

* Available also with XLPE insulation - BiT RE-2X(St)Y-FR TiMF

**Cables with blue sheath have got extended catalogue numbers ending -06. E.g. Catalogue no. for BiT RE-2Y(St)Y-FR TiMF 2x3x0,5 with black outer sheath is ID5450. Catalogue no. for IB-BiT RE-2Y(St)Y TiMF 2x3x0,5 with blue outer sheath is ID5450.06. Cables are available also with oil resistant outer sheath (-OR ending). Catalogue no. for BiT RE-2Y(St)Y-OR TiMF OR 2x3x0,5 is ID5450.0R

Electrical parameters:

	Capacitance [nF/km]	Conductor resistance [Ω/km]	Inductivity 1mH/km L/R [μH/Ω]
0,5 mm ²	100	36,7	25
0,75 mm ²	100	25,0	25
1,0 mm ²	100	18,5	25
1,3 mm ²	100	14,2	40
1,5 mm ²	100	12,3	40



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PVC sheathed instrumentation cables with collective electrostatic screen and individually screened triples, rated 500 V

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
ID5450	2x3x0,5	11,8	133
ID5451	4x3x0,5	13,7	192
ID5452	5x3x0,5	15,3	246
ID5453	6x3x0,5	16,7	300
ID5454	8x3x0,5	18,7	342
ID5455	10x3x0,5	21,7	418
ID5456	12x3x0,5	22,4	480
ID5457	16x3x0,5	25,4	640
ID5458	20x3x0,5	28,2	826
ID5459	24x3x0,5	31,7	999
ID5460	2x3x0,75	12,9	160
ID5461	4x3x0,75	15,2	245
ID5462	5x3x0,75	16,8	305
ID5463	6x3x0,75	18,3	373
ID5464	8x3x0,75	20,6	427
ID5465	10x3x0,75	23,8	524
ID5466	12x3x0,75	24,8	616
ID5467	16x3x0,75	28,2	823
ID5468	20x3x0,75	31,3	1060
ID5469	24x3x0,75	35,2	1282
ID5470	2x3x1,0	13,5	184
ID5471	4x3x1,0	16,0	285
ID5472	5x3x1,0	17,6	356
ID5473	6x3x1,0	19,5	446
ID5474	8x3x1,0	21,9	514

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
ID5475	10x3x1,0	25,3	631
ID5476	12x3x1,0	26,1	729
ID5477	16x3x1,0	29,7	975
ID5478	20x3x1,0	33,0	1255
ID5479	24x3x1,0	37,1	1516
ID5480	2x3x1,3	14,1	214
ID5481	4x3x1,3	17,0	346
ID5482	5x3x1,3	18,7	431
ID5483	6x3x1,3	20,7	537
ID5484	8x3x1,3	23,2	627
ID5485	10x3x1,3	26,8	770
ID5486	12x3x1,3	27,9	906
ID5487	16x3x1,3	31,6	1207
ID5488	20x3x1,3	35,1	1546
ID5489	24x3x1,3	39,4	1864
ID5490	2x3x1,5	15,0	235
ID5491	4x3x1,5	17,8	368
ID5492	5x3x1,5	19,6	459
ID5493	6x3x1,5	21,6	574
ID5494	8x3x1,5	24,3	667
ID5495	10x3x1,5	28,1	819
ID5496	12x3x1,5	29,2	964
ID5497	16x3x1,5	33,2	1286
ID5498	20x3x1,5	36,8	1651
ID5499	24x3x1,5	41,4	1991

*Outer diameter tolerance: +/-5%

Cable Factory BITNER reserves the right to modify the specifications without prior notice

Note: on customer's request other cross sections or number of cores can be produced