

INSTRUMENT CABLES

RE2YRY (1-50) Pairs x 1.5 mm² & (1-50) Pairs x 2.5 mm² 300/500 V

CU / PE / OS / PVC / SWA / PVC

(Copper Conductor, PE Insulated, Collective Screen, Galvanized Steel Wire Armor, PVC Sheathed)

Standard Specification : BS 5308-1 & IEC 60502

Construction Data

No. of pairs	Size			
	1.5 mm ²		2.5 mm ²	
	Overall Diameter	Cable Weight	Overall Diameter	Cable Weight
	approx.	approx.	approx.	approx.
	mm	kg/km	mm	kg/km
1	12.7	302	14.7	398
2	15.5	410	18.6	629
3	19.1	632	21.0	745
4	21.0	720	23.5	993
5	22.5	826	25.5	1,152
6	25.0	1,063	27.0	1,277
7	26.0	1,140	28.5	1,373
9	28.0	1,311	32.0	1,661
10	29.0	1,379	33.0	1,770
12	31.5	1,584	36.5	2,218
14	33.0	1,734	38.5	2,445
15	33.5	1,820	39.5	2,592
16	34.5	1,901	40.5	2,717
18	36.0	2,032	42.5	2,904
19	37.0	2,097	43.0	3,003
20	37.5	2,181	44.5	3,213
24	41.5	2,747	49.5	4,052
30	44.5	3,135	54.0	4,673
36	50.5	4,113	58.0	5,377
40	52.5	4,385	60.5	5,771
48	56.0	4,916	65.5	6,599
50	56.5	5,008	66.5	6,781

Application :

Instrumentation cables are suitable for industrial control system as needed in measurement, control, signalling and data system technology.

Special Features on Request

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated

Note :

Conductor Shape

All construction supplied in solid (re) or non compacted circular stranded (rm)

Standard Packing

Size 1.5 mm² :

1 - 30 pairs supplied in wooden drum @ 1000 m

36 - 50 pairs supplied in wooden drum on available length

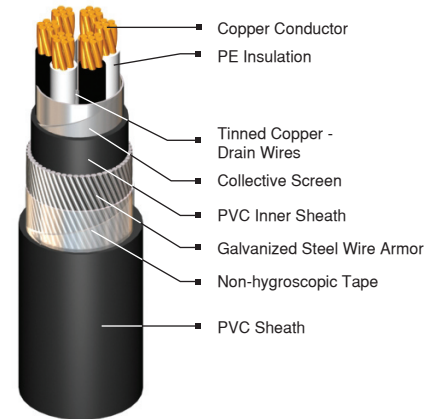
Size 2.5 mm² :

1 - 24 pairs supplied in wooden drum @ 1000 m

30 - 50 pairs supplied in wooden drum on available length

Length tolerance per drum ± 2%

Size of drain wire : 0.5 mm²



Electrical Data

Conductor		Insulation		Mutual Capacitance		AC Voltage Test
Nominal Cross Section	Resistance at 20°C		Resistance at 20°C			
	max.		min.	max.		-
mm ²	ohm/km		G.ohm.km	pF/m		volt/1 min
	1 Pair	≥2 Pair		≤2 Pair	≥3 Pair	
1.5	12.1	12.3	5	120	85	1000
2.5	7.41	7.56	5	120	85	1000

INSTRUMENT CABLES

RE2YRY (2-50) Pairs x 1.5 mm² & (2-50) Pairs x 2.5 mm² 300/500 V

CU / PE / IS / PVC / SWA / PVC

(Copper Conductor, PE Insulated, Individual Screen, Galvanized Steel Wire Armor, PVC Sheathed)

Standard Specification : BS 5308-1 & IEC 60502

Construction Data

No. of pairs	Size			
	1.5 mm ²		2.5 mm ²	
	Overall Diameter	Cable Weight	Overall Diameter	Cable Weight
	approx. mm	approx. kg/km	approx. mm	approx. kg/km
2	18.9	678	20.5	807
3	21.0	870	21.5	889
4	22.5	965	24.0	1,127
5	23.5	1,016	25.5	1,194
6	27.0	1,242	28.5	1,423
7	27.0	1,256	28.5	1,444
9	30.5	1,508	35.0	2,065
10	32.0	1,629	36.5	2,214
12	36.0	2,115	40.0	2,518
14	37.0	2,253	41.0	2,729
15	38.5	2,396	43.5	2,952
16	40.5	2,541	45.0	3,103
18	42.0	2,725	49.0	3,762
19	42.0	2,771	49.0	3,831
20	44.0	2,970	51.5	4,110
24	52.5	3,993	59.5	4,876
30	55.0	4,402	62.5	5,538
36	59.5	5,102	67.5	6,329
40	61.5	5,410	70.0	6,765
48	67.0	6,152	78.5	8,661
50	68.5	6,313	80.0	8,896

Application :

Instrumentation cables are suitable for industrial control system as needed in measurement, control, signalling and data system technology.

Special Features on Request

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated

Note :

Conductor Shape

All construction supplied in solid (re) or non compacted circular stranded (rm)

Standard Packing

Size 1.5 mm² :

2 - 20 pairs supplied in wooden drum @ 1000 m

24 - 50 pairs supplied in wooden drum on available length

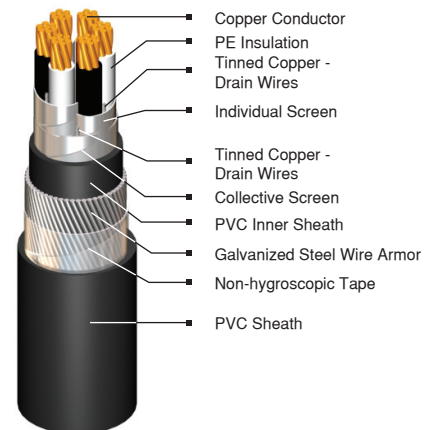
Size 2.5 mm² :

2 - 19 pairs supplied in wooden drum @ 1000 m

20 - 50 pairs supplied in wooden drum on available length

Length tolerance per drum ± 2%

Size of drain wire : 0.5 mm²



Electrical Data

Conductor		Insulation		Mutual Capacitance	AC Voltage Test
Nominal Cross Section	Resistance at 20°C	Resistance at 20°C	Resistance at 20°C		
	max.	min.		max.	-
mm ²	ohm/km	G.ohm.km		pF/m	volt/1 min
1.5	12.3	5		120	1000
2.5	7.56	5		120	1000