

INSTRUMENT CABLES

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

CU / PVC / OS / PVC

(Copper Conductor, PVC Insulated, Collective Screen, PVC Sheathed)

Standard Specification : BS 5308-2 & IEC 60502

Construction Data

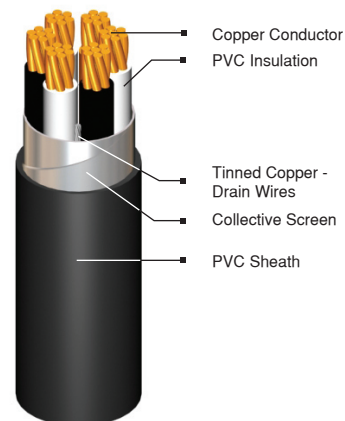
No. of pairs	Size			
	1.5 mm ²		2.5 mm ²	
	Overall Diameter	Cable Weight	Overall Diameter	Cable Weight
	approx.	approx.	approx.	approx.
	mm	kg/km	mm	kg/km
1	7.7	93	10.9	174
2	10.4	146	14.1	261
3	12.9	200	16.6	324
4	14.4	251	18.6	409
5	15.8	320	20.5	525
6	17.5	368	22.0	590
7	18.4	407	23.5	654
9	20.5	504	27.0	837
10	21.5	552	28.0	917
12	24.0	667	30.5	1,091
14	25.5	763	32.5	1,249
15	26.0	830	34.0	1,376
16	27.0	877	35.0	1,455
18	28.5	953	37.0	1,594
19	29.0	1,000	37.5	1,673
20	29.5	1,096	39.0	1,853
24	32.5	1,261	42.5	2,111
30	36.0	1,539	47.0	2,598
36	39.5	1,879	51.5	3,107
40	41.5	2,065	54.0	3,440
48	45.0	2,434	59.0	4,109
50	46.0	2,526	60.0	4,263

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 :

All conductor supplied in wooden drum @ 1000 m

Size 2.5 mm² :

1 - 36 pairs supplied in wooden drum @ 1000 m

40 - 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	M.ohm.km		pF/m	volt/1 min
	1 Pair	≥2 Pair			
1.5	12.1	12.3	25	250	1000
2.5	7.41	7.56	25	250	1000

INSTRUMENT CABLES

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

CU / PVC / IS / PVC

(Copper Conductor, PVC Insulated, Individual Screen, PVC Sheathed)
Standard Specification : BS 5308-2 & IEC 60502

Construction Data

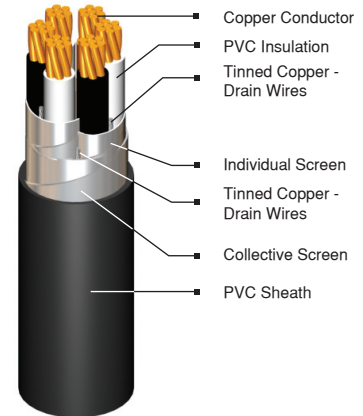
No. of pairs	Size			
	1.5 mm ²		2.5 mm ²	
	Overall Diameter	Cable Weight	Overall Diameter	Cable Weight
	approx.	approx.	approx.	approx.
	mm	kg/km	mm	kg/km
2	12.6	253	16.1	401
3	13.6	301	17.1	467
4	14.9	357	18.7	554
5	16.3	368	21.0	567
6	19.1	470	24.0	694
7	19.1	489	24.0	726
9	23.0	617	29.0	946
10	24.5	679	31.0	1,042
12	27.5	822	34.0	1,245
14	28.5	933	35.5	1,417
15	30.0	1,013	38.0	1,558
16	31.5	1,076	40.0	1,655
18	33.5	1,178	42.5	1,829
19	33.5	1,229	42.5	1,908
20	35.0	1,363	45.0	2,145
24	41.5	1,602	53.0	2,466
30	44.0	1,930	56.0	3,004
36	48.5	2,327	61.5	3,592
40	50.0	2,549	64.0	3,969
48	55.5	3,015	71.5	4,761
50	57.0	3,130	73.0	4,942

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 or non compacted circular stranded

Standard Packing

Size 1.5 mm² :

2 - 36 pairs supplied in wooden drum @ 1000 m

40 - 50 pairs supplied in wooden drum on available length

Size 2.5 mm² :

2 - 20 pairs supplied in wooden drum @ 1000 m

24 - 50 pairs supplied in wooden drum on available length

Length tolerance per drum $\pm 2\%$

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	M.ohm.km		pF/m	volt/1 min
1.5	12.3	1		250	1000
2.5	7.56	1		250	1000