

INSTRUMENT CABLES

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

CU / PVC / OS / PVC / SWA / PVC

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

Standard Specification : BS 5308-2 & IEC 60502

Construction Data

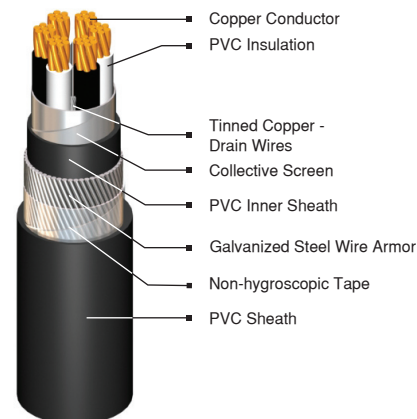
No. of pairs	Size			
	1.5 mm ²		2.5 mm ²	
	Overall Diameter	Cable Weight	Overall Diameter	Cable Weight
	approx.	approx.	approx.	approx.
	mm	kg/km	mm	kg/km
1	12.7	306	15.1	421
2	15.5	419	19.1	669
3	19.1	645	22.0	805
4	21.0	739	24.5	1,076
5	22.5	849	26.5	1,251
6	25.0	1,090	28.0	1,369
7	26.0	1,172	29.5	1,491
9	28.0	1,352	33.0	1,803
10	29.0	1,425	35.5	2,159
12	31.5	1,639	37.5	2,412
14	33.0	1,799	40.0	2,678
15	33.5	1,889	41.0	2,867
16	34.5	1,975	42.0	2,978
18	36.0	2,114	44.5	3,227
19	37.0	2,184	45.5	3,337
20	37.5	2,303	48.0	3,962
24	41.5	2,858	51.5	4,412
30	44.5	3,272	56.5	5,210
36	50.5	4,278	61.0	5,898
40	52.5	4,566	63.5	6,378
48	56.0	5,136	68.5	7,296
50	56.5	5,238	69.5	7,500

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 - 20 pairs supplied in wooden drum @ 1000 m

24 - 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	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

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

CU / PVC / IS / PVC / SWA / PVC

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

Standard Specification : BS 5308-2 & IEC 60502

Construction Data

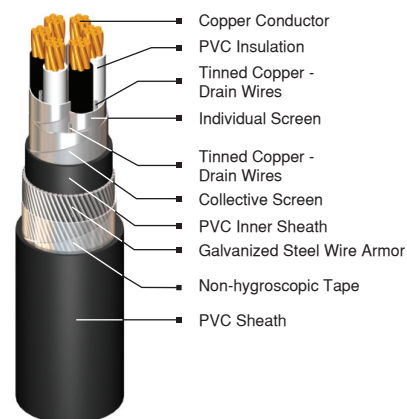
No. of pairs	Size			
	1.5 mm ²		2.5 mm ²	
	Overall Diameter	Cable Weight	Overall Diameter	Cable Weight
	approx.	approx.	approx.	approx.
	mm	kg/km	mm	kg/km
2	18.9	687	21.5	869
3	21.0	884	23.0	1,077
4	22.5	984	24.5	1,222
5	23.5	1,039	26.5	1,294
6	27.0	1,269	30.0	1,536
7	27.0	1,289	30.0	1,563
9	30.5	1,549	36.0	2,203
10	32.0	1,675	38.5	2,407
12	36.0	2,170	41.5	2,717
14	37.0	2,317	43.0	2,969
15	38.5	2,464	45.5	3,206
16	40.5	2,610	48.5	3,770
18	42.0	2,808	51.5	4,124
19	42.0	2,858	51.5	4,204
20	44.0	3,061	54.0	4,583
24	52.5	4,103	62.0	5,291
30	55.0	4,540	66.0	6,103
36	59.5	5,267	71.0	6,913
40	61.5	5,594	73.5	7,435
48	67.0	6,372	82.5	9,460
50	68.5	6,543	84.0	9,718

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 - 16 pairs supplied in wooden drum @ 1000 m

18 - 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
1.5	12.3	1		250	1000
2.5	7.56	1		250	1000