

INSTRUMENT CABLES

RE2YKRY (1-50) Pairs x 1.5 mm² & (1-50) Pairs x 2.5 mm² 300/500 V

CU / PE / OS / PVC / LS / PVC /SWA / PVC

(Copper Conductor, PE Insulated, Collective Screen, Lead Sheathed, Galvanized Steel Wire Armor, PVC Sheathed)
Standard Specification : BS 5308-1 & IEC 60502

Construction Data

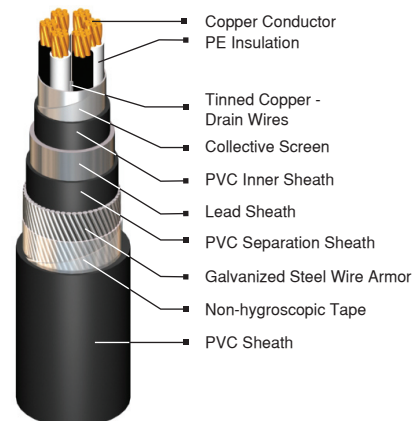
No. of pairs	Size			
	1.5 mm ²		2.5 mm ²	
	Overall Diameter	Cable Weight	Overall Diameter	Cable Weight
	approx.	approx.	approx.	approx.
	mm	kg/km	mm	kg/km
1	16.8	776	19.5	1,089
2	20.5	1,099	23.5	1,496
3	25.0	1,554	26.0	1,730
4	26.5	1,733	28.0	1,961
5	28.0	1,905	30.0	2,271
6	30.0	2,172	31.5	2,473
7	31.0	2,305	33.0	2,637
9	33.0	2,578	38.0	3,569
10	34.0	2,693	39.5	3,753
12	38.0	3,379	42.0	4,261
14	39.5	3,618	44.0	4,581
15	40.0	3,754	45.5	4,951
16	41.5	4,017	48.0	5,498
18	43.0	4,232	50.0	5,958
19	43.5	4,345	51.0	6,128
20	44.0	4,451	52.5	6,453
24	49.5	5,700	57.0	7,500
30	53.0	6,365	61.5	8,640
36	58.5	7,749	66.5	9,911
40	60.5	8,163	68.5	10,470
48	64.0	8,964	74.5	12,205
50	64.5	9,160	77.0	13,281

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 - 24 pairs supplied in wooden drum @ 1000 m

30 - 50 pairs supplied in wooden drum on available length

Size 2.5 mm² :

1 - 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		pF/m		
mm ²	max.		min.	max.		volt/1 min
	1 Pair	≥2 Pair	G.ohm.km	≤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

RE2YKRY (2-50) Pairs x 1.5 mm² & (2-50) Pairs x 2.5 mm² 300/500 V

CU / PE / IS / PVC / LS / PVC / SWA / PVC

(Copper Conductor, PE Insulated, Individual Screen, Lead Sheathed, Galvanized Steel Wire Armor, PVC Sheathed)
Standard Specification : BS 5308-1 & IEC 60502

Construction Data

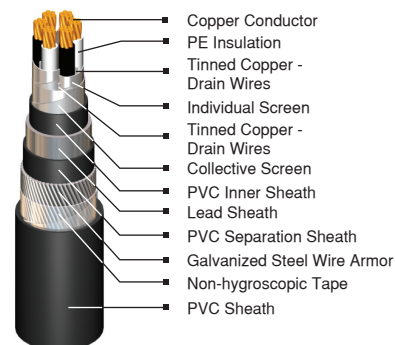
No. of pairs	Size			
	1.5 mm ²		2.5 mm ²	
	Overall Diameter	Cable Weight	Overall Diameter	Cable Weight
	approx.	approx.	approx.	approx.
	mm	kg/km	mm	kg/km
2	24.5	1,545	25.5	1,768
3	26.0	1,739	26.5	1,904
4	27.0	1,893	28.0	2,120
5	28.5	2,008	30.0	2,339
6	34.0	2,870	33.5	2,712
7	34.0	2,884	33.5	2,733
9	37.5	3,375	40.0	3,859
10	39.0	3,589	42.5	4,158
12	42.0	4,135	47.0	5,162
14	43.5	4,366	48.5	5,443
15	45.0	4,612	51.0	5,989
16	48.5	5,436	53.0	6,282
18	50.5	5,741	55.5	6,815
19	50.5	5,787	55.5	6,885
20	52.0	6,129	58.0	7,451
24	59.5	7,496	66.5	9,110
30	62.0	8,122	70.0	10,156
36	68.0	9,814	77.0	12,478
40	70.0	10,276	79.5	13,152
48	75.5	11,479	87.5	15,432
50	76.5	11,743	89.0	15,867

Application :

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Special Features on Request

- Fire Resistance
- Oil Resistance
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- Heat Resistance
- Anti Termite
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- 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 - 16 pairs supplied in wooden drum @ 1000 m

18 - 50 pairs supplied in wooden drum on available length

Size 2.5 mm² :

2 - 14 pairs supplied in wooden drum @ 1000 m

15 - 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