

# RE-Y(st)Y QY- BS EN 50288-7 PVC / CAM / PVC / GSWB / PVC Cable



Eland Product Group: I

## APPLICATION

These cables are designed to connect electrical instrument circuits and provide communication services in and around process plants (e.g. petrochemical industry etc.). Suitable for indoors and outdoors, dry, damp and wet environments.

## CONSTRUCTION

### Conductor

Class 2 stranded copper conductor

### Insulation

PVC (Polyvinyl Chloride)

### Individual And Collective Screen Or Collective Screen

PET (Polyester Tape)

AL/PET (Aluminium/Polyester Tape) with tinned drain wire

### Inner Sheath

PVC (Polyvinyl Chloride)

### Armour

GSWB (Galvanized Steel Wire Braid)

### Outer Sheath

PVC (Polyvinyl Chloride)

### Note

Available with increased, flame retardant, 'fl' version.

## CABLE STANDARDS

BS EN 50288-1, BS EN 50288-7, HD 383, BS EN 50290-2,  
BS EN/IEC 60332-1, BS EN/IEC 60332-3-24, BS EN 60228



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

## CHARACTERISTICS

### Voltage Rating (U<sub>o</sub>/U)

300/500V

### Operating Temperature

Fixed: -30°C to +70°C

### Minimum Bending Radius

8 x overall diameter

### Core Identification

○ White and ● Black numbered

● Blue and ● Black numbered available on request

### Outer Sheath Colour

● Blue ● Black

### Note

90V and 500V rated cables available on request

## DIMENSIONS

## Collectively Screened Multi-Pair

ELAND PART NO.	NO. OF PAIRS	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
REYYQYC1P05**	1	0.5	10	140
REYYQYC1P75**	1	0.75	10.2	160
REYYQYC1P10**	1	1	10.8	180
REYYQYC1P13**	1	1.3	11.2	195
REYYQYC1P15**	1	1.5	11.5	215
REYYQYC2P05**	2	0.5	12.2	184
REYYQYC2P75**	2	0.75	12.8	219
REYYQYC2P10**	2	1	13.4	250
REYYQYC2P13**	2	1.3	14	272
REYYQYC2P15**	2	1.5	14.5	300
REYYQYC4P05**	4	0.5	13.4	237
REYYQYC4P75**	4	0.75	14.2	278
REYYQYC4P10**	4	1	15.2	325
REYYQYC4P13**	4	1.3	16	365
REYYQYC4P15**	4	1.5	16.5	385
REYYQYC6P05**	6	0.5	15.4	321
REYYQYC6P75**	6	0.75	16.4	373
REYYQYC6P10**	6	1	17.4	428
REYYQYC6P13**	6	1.3	18.4	484
REYYQYC6P15**	6	1.5	19.5	535
REYYQYC8P05**	8	0.5	16.5	359
REYYQYC8P75**	8	0.75	17.6	420
REYYQYC8P10**	8	1	19	501
REYYQYC8P13**	8	1.3	20	587
REYYQYC8P15**	8	1.5	21.5	652
REYYQYC10P05**	10	0.5	18	417
REYYQYC10P75**	10	0.75	19.5	496
REYYQYC10P10**	10	1	21	607
REYYQYC10P13**	10	1.3	22.3	718
REYYQYC10P15**	10	1.5	23.8	784
REYYQYC12P05**	12	0.5	18.3	456
REYYQYC12P75**	12	0.75	20	564
REYYQYC12P10**	12	1	21.3	672
REYYQYC12P13**	12	1.3	22.7	797
REYYQYC12P15**	12	1.5	24.6	879
REYYQYC16P05**	16	0.5	20.4	568
REYYQYC16P75**	16	0.75	22.2	708
REYYQYC16P10**	16	1	24	840
REYYQYC16P13**	16	1.3	25.2	989
REYYQYC16P15**	16	1.5	26.8	1090
REYYQYC20P05**	20	0.5	22.5	663
REYYQYC20P75**	20	0.75	24.3	822
REYYQYC20P10**	20	1	26.2	997
REYYQYC20P13**	20	1.3	28	1180
REYYQYC20P15**	20	1.5	30.5	1324

ELAND PART NO.	NO. OF PAIRS	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
REYYQYC24P05**	24	0.5	24	750
REYYQYC24P75**	24	0.75	26	956
REYYQYC24P10**	24	1	28	1139
REYYQYC24P13**	24	1.3	30	1369
REYYQYC24P15**	24	1.5	34.4	1589

### Collectively and Individually Screened Pairs in Metal Foil - PiMF

ELAND PART NO.	NO. OF PAIRS	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
REYYQYI2P05**	2	0.5	32	13.3
REYYQYI2075**	2	0.75	42	13.8
REYYQYI2P10**	2	1	51	14.9
REYYQYI2P13**	2	1.3	63	15.7
REYYQYI2P15**	2	1.5	70	16
REYYQYI4P05**	4	0.5	60	15
REYYQYI4P75**	4	0.75	79	15.8
REYYQYI4P10**	4	1	98	16.7
REYYQYI4P13**	4	1.3	120	17.5
REYYQYI4P15**	4	1.5	135	18
REYYQYI6P05**	6	0.5	88	17.0
REYYQYI6P75**	6	0.75	116	18
REYYQYI6P10**	6	1	145	19.4
REYYQYI6P13**	6	1.3	179	19.7
REYYQYI6P15**	6	1.5	200	20.9
REYYQYI8P05**	8	0.5	115	18
REYYQYI8P75**	8	0.75	154	19.4
REYYQYI8P10**	8	1	192	20
REYYQYI8P13**	8	1.3	237	22
REYYQYI8P15**	8	1.5	265	22.6
REYYQYI10P05**	10	0.5	143	20.7
REYYQYI10P75**	10	0.75	191	22.3
REYYQYI10P10**	10	1	239	23.7
REYYQYI10P13**	10	1.3	295	25
REYYQYI10P15**	10	1.5	331	26
REYYQYI12P05**	12	0.5	170	21.2
REYYQYI12P75**	12	0.75	228	23
REYYQYI12P10**	12	1	285	22.4
REYYQYI12P13**	12	1.3	353	26
REYYQYI12P15**	12	1.5	396	26.8
REYYQYI16P05**	16	0.5	225	23.3
REYYQYI16P75**	16	0.75	302	25
REYYQYI16P10**	16	1	379	26.8
REYYQYI16P13**	16	1.3	467	28.5
REYYQYI16P15**	16	1.5	526	29.6

ELAND PART NO.	NO. OF PAIRS	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
REYYQYI20P05**	20	0.5	280	25.6
REYYQYI20P75**	20	0.75	377	27.5
REYYQYI20P10**	20	1	473	29.6
REYYQYI20P13**	20	1.3	585	31.4
REYYQYI20P15**	20	1.5	657	32.7
REYYQYI24P05**	24	0.5	336	28.2
REYYQYI24P75**	24	0.75	451	30.3
REYYQYI24P10**	24	1	566	32.7
REYYQYI24P13**	24	1.3	700	35.2
REYYQYI24P15**	24	1.5	787	36.5

\*Eland Part No. shown above designate the sheath colour (\*). For each colour substitute \* for a colour code as listed below. e.g. REYYQYI20P05BK = 0.5mm<sup>2</sup> Black

### Colour Codes

COLOUR	Black	Blue
CODE	BK	BL

## CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km	
	Class 1 & 2	Class 5
0.5	36	39
0.75	24.5	26
1	18.1	19.5
1.3	13.9	-
1.5	12.1	13.3
2.5	7.41	7.98

## ELECTRICAL CHARACTERISTICS

### Individually and Collectively Screened Cables

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MUTUAL CAPACITANCE pF/m		MINIMUM INSULATION RESISTANCE AT 20°C Mohms/km	MAXIMUM L/R RATIO μH/ohms
	Multi-Pair	PiMF		
0.5	120	160	100	25
0.75	120	160	100	25
1	120	160	100	25
1.3	130	170	100	40
1.5	130	170	100	40