



## Polyrad XT

Conductor size mm <sup>2</sup>	Nom cable diameter mm	Max conductor resistance $\Omega$ /km	Weight kg/km
0.50	2.6	40.1	11
0.75	2.8	26.7	14
1.00	3.0	20.0	17
1.16	3.1	18.1	20
1.5	3.2	13.7	22
1.8	3.6	11.6	27
2.5	3.9	8.21	33
2.6	4.0	7.7	36
4.0	4.6	5.09	50
4.7	4.8	4.33	59
6.0	5.2	3.39	72
7.7	6.0	2.55	96
10.0	7.0	1.95	126
16.0	8.0	1.24	188
25.0	10.4	0.795	296
35.0	11.8	0.565	402
50.0	13.8	0.393	564
70.0	16.3	0.277	797
95.0	18.0	0.210	1041
120.0	20.5	0.164	1314
150.0	22.2	0.132	1593
185.0	24.6	0.108	1937
240.0	28.0	0.0817	2532
300.0	31.0	0.0654	3197
400.0	35.5	0.0495	4151

## PRODUCT DESCRIPTION

Polyrad is a flame retardant cross-linked polyolefin compound which gives an outstanding balance of oil resistance with superior thermal, electrical and physical properties. It is used in a wide range of applications ranging from offshore and land rigs through to general industrial and rail rolling stock maintenance

## PRODUCT CHARACTERISTICS

Conductor : Tinned annealed copper

Insulation Grey cross-linked flame retardant polyolefin

## Cable Performance

### Electrical Characteristics

Voltage rating 1900/3300V  
Voltage test 10kV<sub>rms</sub>

### Mechanical Characteristics

Bend radius 3 x cable diameter  
Cold Bend -25°C  
Scrape >250 cycles  
Abrasion  
Notch -25°C to 90°C  
Propagation  
Cut through >20kg  
Resistance

### Fire Performance

Flammability IEC60332-1-2

### Sheath fluid resistance

Diesel  
Engine oil  
Transformer oil  
Hydraulic oil  
Ethylene Glycol