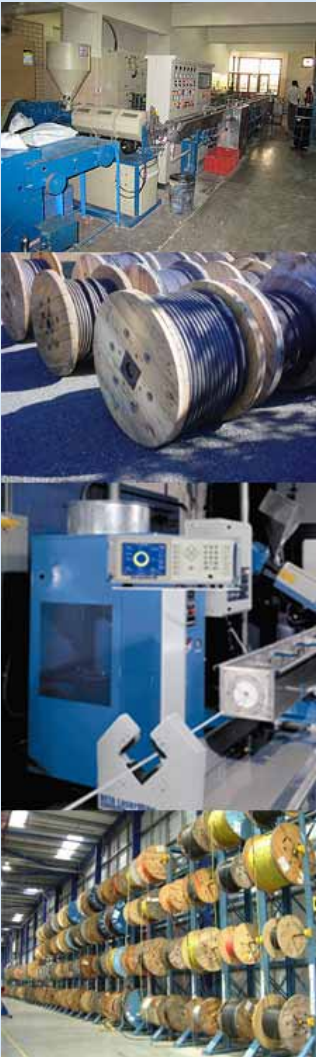


# Phase 3 Cable Manufacturing Services



Phase 3 UK Limited,  
Unit 14  
Fife Business Centre,  
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Glenrothes,  
Fife,  
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[info@p3connectors.com](mailto:info@p3connectors.com)

Web:  
[www.p3connectors.com](http://www.p3connectors.com)

From our 8,000 square foot cabling facility, based in South of England we offer our customers a one stop shop for all their power cable requirements.

## Product

We specialise in supply and manufacture of single and multicore cables. Not only do we supply the cable you require in virtually any length, printed with your company name or other details (on request), but we also supply complete assemblies ready for installation. Cables fitted with single pole power connectors (e.g. Powersafe versions), cable lugs, multipin plugs and sockets are common types.

## Quality

All assemblies are manufactured using high quality components and tested to exacting standards to ensure trouble free operation, reliability and a safety. The facility is ISO recognised and test reports (tensile testing of crimp terminations and insulation resistance testing) can be supplied.

## Common Cable types include:

HO7RNF single core up to 500mm sq  
6381TQ Power Cable Multi and Single Core  
EZ-EPRNBR High Flex Power Cables 0.6-1K 110 C  
TRI Rated Panel Wiring  
Low Smoke Zero Halogen Cable  
Marine Cables

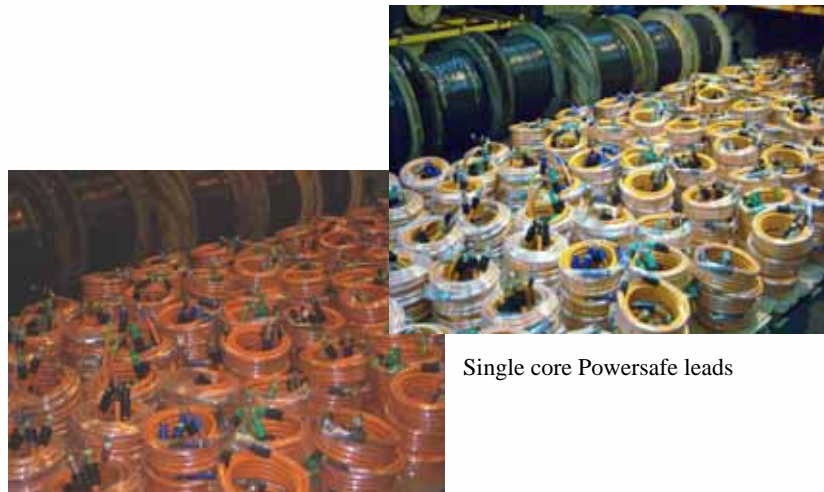
## Fast Turn Capability

Our extensive stock holding and flexible assembly operation enable us to offer a fast turn around of your requirement.

## Large Projects

Our large volume manufacturing capacity has enabled us to service many volume cabling projects. We regularly supply cables and assemblies for large scale projects against tight delivery schedules, such as Military field power, Outdoor events and Construction programs.

For further information or quotation, please contact our sales office



Single core Powersafe leads

TR  
series

## TRIFLEX H07 FLEXIBLE TRAILING CABLES

450/750V 90° C



**HEAT RESISTING 90°C EPR INSULATED  
AND CPE SHEATHED FLEXIBLE CABLE,  
450/750V**

**Construction:**

**Conductor:** Tinned annealed copper conductor flexible class 5 acc. To HD 383

**Insulation :** Heat resisting 90C EPR, rubber compound type EI 7

**Sheath:** CPE, rubber compound type EM 7

**Colour of Insulation :** Acc. to HD 308 S2 and BS 7919

\*Single core: green/yellow, blue or other colours except green,  
yellow or any other bi-colours

Maximum Conductor Operating Temperature : +90 C

Lowest ambient temperature for fixed installation -20 C

Lowest installation temperature: -5 C

Maximum short-circuit conductor temperature: +25 C

Test voltage 50Hz: 2500V

Minimum bending radius: 7,5 x D, D - overall diameter of cable

Flame retardant: BS EN 50265-2-1 ( IEC 60332-1)

Application: in dry, humid or moist rooms, in open air, in workshops having an explosive atmosphere, for medium mechanical stresses, eg. for industrial and agricultural workshops appliances, large boiling installations, heating plates, inspection lamps, electrical tools such as drills, circular saws, domestic electric tools, and also for transportable motors or machines on building sites or in agricultural workings. Suitable for the wiring of constructional components in lifting appliances, machinery etc. Use up to 1000V a.c. is permitted for fixed, protected installation (in conduit or appliances) and also for motor connections of hoisting motors and the like.

Standard length cable packing : 500 or 1000m on drums. Other forms of packing and delivery are available on request.

## TR series

Number and cross-sectional area of conductor	Maximum diameter of wires	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight	Current-Carrying Capacity In air to 50 C*	Maximum resistance of conductor at 20°C
<i>n x mm<sup>2</sup></i>	mm	mm	mm	mm	kg/km	A	Ω/km
1 x 1,5	0,26	0,8	1,4	5,9	50	19	13,7
1 x 2,5	0,26	0,9	1,4	6,6	65	26	8,21
1 x 4	0,31	1,0	1,5	7,5	89	33	5,09
1 x 6	0,31	1,0	1,6	8,2	115	43	3,39
1 x 10	0,41	1,2	1,8	10,1	179	58	1,95
1 x 16	0,41	1,2	1,9	11,4	248	78	1,24
1 x 25	0,41	1,4	2,0	13,2	354	103	0,795
1 x 35	0,41	1,4	2,2	14,4	464	126	0,565
1 x 50	0,41	1,6	2,4	17,1	650	158	0,393
1 x 70	0,51	1,6	2,6	19,3	872	196	0,277
1 x 95	0,51	1,8	2,8	22,2	1138	233	0,210
1 x 120	0,51	1,8	3,0	23,7	1398	275	0,164
1 x 150	0,51	2,0	3,2	26,3	1730	313	0,132
1 x 185	0,51	2,2	3,4	29,4	2102	358	0,108
1 x 240	0,51	2,4	3,5	32,0	2657	422	0,0817
1 x 300	0,51	2,6	3,6	35,7	3296	486	0,0654
1 x 400	0,51	2,8	3,8	38,5	4205	581	0,0495
1 x 500	0,51	3,0	4,0	43,8	5285	664	0,0391

### TRIFLEX H07 FLEXIBLE TRAILING CABLES 450/750V 90° C

\* Tab. 11 Column 6 DIN VDE 0298-4 (for single phase )

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HEAT RESISTING 90°C EPR INSULATED  
 AND CPE SHEATHED FLEXIBLE CABLE,  
 450/750V

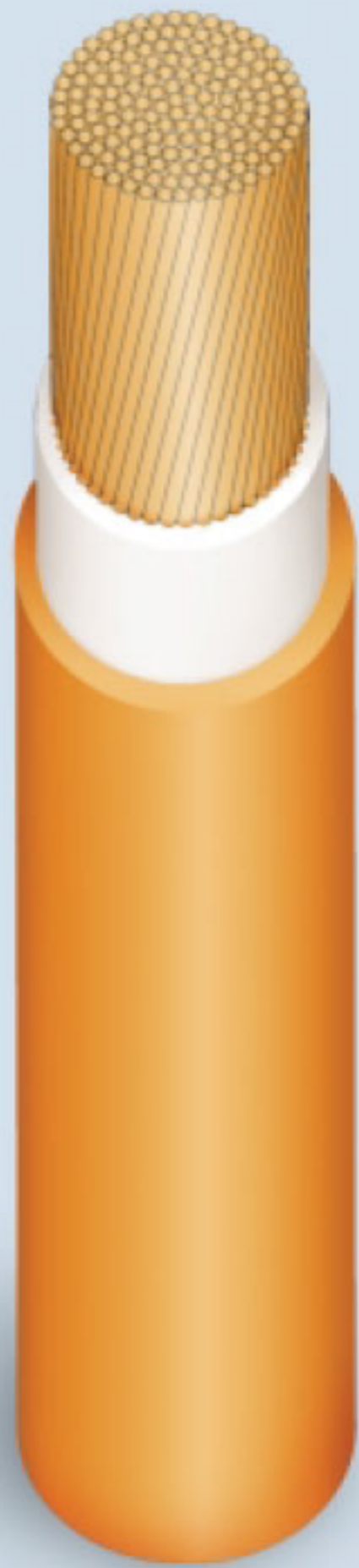
# EZ

series

PHASE3

## FLEXIBLE RUBBER POWER

0.6/1kV 110°C



### CONSTRUCTION

**Conductor:** Finely stranded annealed copper to IEC 60228 Class 5&6 & AS/NZS 1125. Available in plain or tinned

**Insulation (SDI):** LSFLEX® R-70, Cross-linked, Low Smoke, Zero Halogen, Elastomeric Rubber (R-E-110). Resists oil, petrol, acid, sea water, ozone and UV.

**Insulation (Multicore):** LSFLEX® R-30, Cross-linked, Thermoset, Elastomeric, Flame Retardant, Low Smoke, Zero Halogen (X-HF-110) Resists oil, petrol, acid, sea water, ozone and UV.

**Sheath:** E-Rubber® N-30. Self extinguishing Elastomeric Rubber. Resists oil, petrol, acid, sea water, ozone and UV. (optional LSOH LSFLEX® XS-30 sheath also available)

### OPERATING TEMP

-40°C to +110°C

### VOLTAGE RATING

600/1000 Volts

### CORE IDENTIFICATION

To customer specification

### SHEATH COLOUR

To customer specification

### STANDARDS

AS/NZS 1125	IEC 60228	BS 5467
AS/NZS 5000.1	IEC 60332-1	
AS/NZS 3191		
AS/NZS 1660.5.6		

NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm <sup>2</sup> )	NOMINAL OD OVER INSULATION (mm)	OVERALL DIAMETER (mm)		MINIMUM BENDING RADIUS (mm)	APPROX. WEIGHT (kg/km)	CURRENT RATING* (Amps)	SHORT CIRCUIT CURRENT** (Amps for 1 second)	VOLTAGE DROP at 50Hz*** (mV/Am)
		Min	Max					
1c 6	4.5	7.2	8.1	43	96	59	792	7.23
1c 10	5.5	8.2	9.1	49	139	81	1320	4.30
1c 16	6.6	9.3	10.3	56	200	105	2112	2.71
1c 25	8.1	10.8	11.9	65	291	145	3300	1.72
1c 35	9.4	12.1	13.3	73	388	175	4620	1.25
1c 50	11.0	13.7	15.0	82	534	215	6600	0.929
1c 70	12.8	15.5	17.1	93	723	270	9240	0.657
1c 95	15.0	17.9	19.5	107	867	340	12540	0.491
1c 120	16.9	19.8	21.5	119	1203	395	15840	0.403
1c 150	18.9	22.1	23.9	132	1495	455	19800	0.344
1c 185	21.1	24.4	26.5	146	1839	530	24420	0.296
1c 240	23.5	27.1	29.3	162	2345	630	31680	0.252
1c 300	26.2	29.9	32.4	179	2914	730	39600	0.227
1c 400	29.6	33.5	36.3	201	3816	850	52800	0.208
1c 500	33.1	37.2	40.3	223	4804	980	66000	0.195
1c 630	36.9	41.2	44.7	247	6011	1130	83160	0.184

\* AS/NZS 3008, Table 8 (Fixed - Unenclosed Touching) 110°C operating temperature, 40°C ambient air temperature, 25°C ambient soil temperature, \*\* AS/NZS 3008, Table 51/52  
 \*\*\* AS/NZS 3008, Table 41 (laid flat touching/wiring enclosure) 110°C conductor temperature. For other conditions refer to technical information