

# Parafil Guy Wire

## Non-Conductive wire & terminations

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Parafil non-conductive guy rope is a parallel laid fibre synthetic rope designed and for high strength, excellent tension-tension fatigue performance with low creep. With a high strength-to-weight ratio, excellent chemical resistance, high UV resistance, excellent fatigue characteristics as well as stability over a wide range of temperature range Parafil guy wire is the ideal choice for tower, mast or structure guy wire supports.

Parafil non-conductive guy rope has the flexibility to be used in the following applications:

- Insulated guy ropes
- Catenaries and support systems for Urban Transport Systems
- Sub-Sea
- Buoy moorings, ship rigging and marine structural applications
- Guard rail cabling
- Roof support systems
- Military applications
- Nato specified on Royal Navy British fleet and RNLI lifeboats



	Sheath				
Yarn	Polyethylene	Polyethylene/ Vinyl Acetate Copolymer (EVA)	Polyester Elastomer	Flame Retardant	Tensile Strength Standard Range (kN)
Polyester	Type A	Type A/C	Type A/H	Type A/X	3-2,500
Standard Modulus Aramid	Type F	Type F/C	Type F/H	Type F/X	7.5-3,000
High Modulus Aramid	Type G	Type G/C	Type G/H	Type G/X	7.5-3,500
PBO	Type Z	-	-	-	390-2,400
Technora	Type T	-	-	-	30-3,000



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Order Code	Diameter	Nominal Break Load	Code/type Available	Compatible termination Aluminium / galvanised steel / stainless steel	Approx. weight in Air (kg)
RL1112-300	4mm	0.3 tonnes	A	RL1560	1.2
RL1002-300	7mm	0.5 tonnes	A	RL1501/ RL1521/ RL1541	3.7
RL1003-300	8.5mm	1.0 tonnes	A	RL1502/ RL1522/ RL1542	5.4
RL1004-300	11mm	2.0 tonnes	A	RL1503/ RL1523/ RL1543	9.4
RL1005-300	13.5mm	3.5 tonnes	A	RL1504/ RL1524/ RL1544	14.5
RL1006-300	17mm	5 tonnes	A	RL1505/ RL1525/ RL1545	22
RL1007-300	20mm	7.5 tonnes	A	RL1506/ RL1525/ RL1546	30
RL1008-300	22mm	10 tonnes	A	RL1507/ RL1527/ RL1547	37
RL1009-300	27.5mm	15 tonnes	A	RL1508/ RL1528/ RL1548	56
RL1010-300	31mm	20 tonnes	A	-	73
RL1011-300	36mm	30 tonnes	A	-	99

- The specially formulated polyethylene sheath is most commonly used and is ideal for most applications.
- The EVA copolymer (type A/C) sheath is more flexible and stress crack resistant
- The polyester-elastomer (type A/H) sheath provides a high resistant to heat and abrasion
- The outer sheath is also available in white upon special request

Order Code	Diameter	Nominal Break Load	Code/type Available	Compatible termination Aluminium / galvanised steel / stainless steel	Approx. weight in Air (kg/per m)
RL1021-300	7mm	0.5 tonnes	A/C	RL1501/ RL1521/ RL1541	3.7
RL1022-300	8.5mm	1.0 tonnes	A/C	RL1502/ RL1522/ RL1542	5.4
RL1023-300	11mm	2.0 tonnes	A/C	RL1503/ RL1523/ RL1543	9.4
RL1024-300	13.5mm	3.5 tonnes	A/C	RL1504/ RL1524/ RL1544	14.5
RL1025-300	17mm	5 tonnes	A/C	RL1505/ RL1525/ RL1545	22
RL1026-300	20mm	7.5 tonnes	A/C	RL1506/ RL1525/ RL1546	30
RL1027-300	22mm	10 tonnes	A/C	RL1507/ RL1527/ RL1547	37
RL1028-300	27.5mm	15 tonnes	A/C	RL1508/ RL1528/ RL1548	56
RL1029-300	31mm	20 tonnes	A/C	-	73
RL1030-300	36mm	30 tonnes	A/C	-	99

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Parafil terminations are available, which have been designed to maximise the Parafil non-conductive guy rope efficiency.

ZCG recommend only Parafil rope terminations are used with Parafil non-conductive guy rope.

Order code	Construction	Cable diameter	Nominal breaking load (tonne)
RL1501	Anodised aluminium	7mm	0.5
RL1502		8.5mm	1
RL1503		11mm	2
RL1504		13.5mm	3.5
<b>RL1505</b>		17mm	5
RL1506		20mm	7.5
RL1507		22mm	10
RL1508		27.5mm	15



Order code	Construction	Cable diameter	Nominal breaking load (tonne)
RL1521	Galvanised steel	7mm	0.5
RL1522		8.5mm	1
RL1523		11mm	2
RL1524		13.5mm	3.5
RL1525		17mm	5
RL1526		20mm	7.5
RL1527		22mm	10
RL1528		27.5mm	15



Order code	Construction	Cable diameter	Nominal breaking load (tonne)
RL1541	Stainless steel	7mm	0.5
RL1542		8.5mm	1
RL1543		11mm	2
RL1544		13.5mm	3.5
RL1545		17mm	5
RL1546		20mm	7.5
RL1547		22mm	10
RL1548		27.5mm	15

