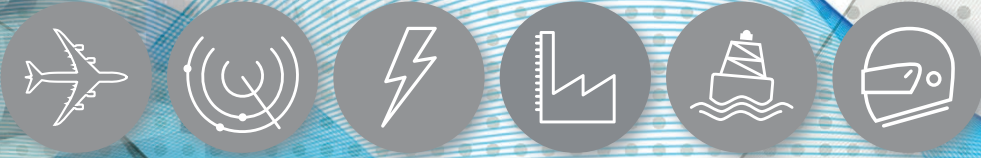


Aerospace | Defence | Energy | Commercial | Marine | Motorsport



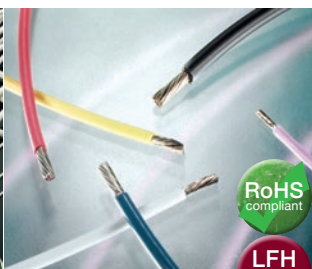
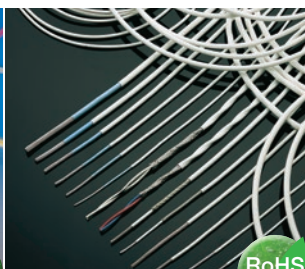
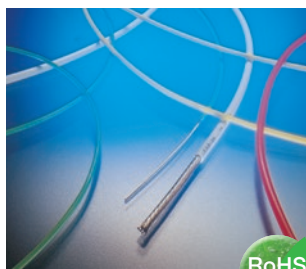
Performance **Wire & Cable**

Reference Guide



Wire & Cable Cross Reference Guide

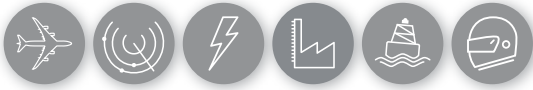
The purpose of this reference guide is to help the reader to evaluate which wire or cable may be the best suited for their particular application, in relation to a number of features, approvals or characteristics required. Further more detailed advice is available by contacting our technical department.



Wire and Cable Type	Spec 44	Spec 55	Spec 99
Main Features			Low Fire Hazard
Voltages	600V, 1000V & 2500V	450V, 600V & 1000V	600V
Material	XL-PVDF	XL-ETFE	Modified Polyester
Insulation	Dual Wall	Single and Dual Wall	Dual Wall
Tin plated conductors	-65°C to +150°C	-65°C to +150°C	-55°C to +120°C#
Silver plated conductor	-65°C to +150°C	-65°C to +200°C	-
Nickel plated conductor	-65°C to +150°C	-65°C to +200°C	-
		Super flexible 'Spec 80' also available	# wire only, jacketed cable +105°C
Specifications and Approvals			
Airbus ABS 0820 to 0826	-	Yes	-
Airbus ABS 0949, ABS 1354 and ABS 1356	-	-	-
Boeing BMS 13-48	-	Yes	-
Boeing BMS 13-60	-	-	-
BS 3G 210, Type A, B and C	-	-	-
Def Stan 61-12, part 18 - Type 1	Yes (Issue 2)	-	Yes (Issue 5)
Def Stan 61-12, part 26 - All types	Yes	-	-
Def Stan 61-12, part 33	-	Yes	-
DIN 5510-2	-	-	-
EN2713 and EN2714	-	-	-
EN2266 and EN2267	-	-	-
EN4545-2	-	-	-
EN503006-2, -3 and -4	-	-	-
European Space Agency 3901/012, 020 & /022	-	Yes	Yes
NATO stock numbers available	Yes	Yes	Yes
NASA preferred product list	-	Yes	-
NEMA-WC-27500 (cables)	Yes	Yes	-
NEMA HP3, Type ET, E and EE (MIL-W-16878)	-	-	-
NSA 935344 (XE) and NSA 935348 (XK)	-	-	-
SAE AS 81044 wires	Yes	-	-
SAE AS22759/32-35 & 41-46 (wires)	-	Yes	-
SAE AS22759/5-46, 80-92 and 180-192	-	-	-
VG 95218 parts 20, 21, 22, 23 and 1000	-	Yes	-
VG 95218-20 Type E	-	-	-
VDE 9426, 9427 and 9428	-	Yes	-
Performance Characteristics			
FAA FAR-25	Meets	Meets	-
BS 3G 230 flammability	-	Pass	Pass
DIN VDE 0472 part 813, 815 and IEC 754-2	-	-	-
EN 50265 Vertical flammability	Pass	-	-
EN 50267-2-2 and -1	-	-	-
EN 50305 clause 9.1.1/.2 and 9.2	-	-	-
EN 60754-1/-2	-	-	-
EN 61034-2	-	-	-
IEC-60332 part 3 (cable ladder)	Pass	-	-
NFC-32070 (2) (French chimney)	Pass	-	-

Spec 100	PTFE	Other	ZHPCG
Zero Halogen	High Temperature	Mil/Aero Wire and cable	Power Cable
300V and 750V/1300V	250V/300V, 600V & 1000V	600V & 1000V	750/1300V & 1800/3300V
Halogen Free	PTFE	Various subject to spec.	Halogen Free
Dual Wall	Single Wall	Various subject to spec.	Dual Wall
-55°C to +125°C [#]	-	-65°C to +150°C	-25°C to +105°C
-	-75°C to +200°C [#]	-75°C to +200°C	-
-	-75°C to +260°C	-75°C to +260°C	-
# wire only, jacketed cable +105°C	# NEMA HP3 +200°C		
-	-	-	-
-	-	Yes	-
-	-	Yes	-
-	-	Yes	-
-	Yes	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	Yes
-	-	Yes	-
-	-	Yes	-
-	-	-	Yes
Yes (100E)	-	-	-
-	-	-	-
Yes (100G)	Yes	Yes	-
-	-	-	-
-	Yes	Yes	-
-	Yes	Yes	-
-	-	Yes	-
-	-	Yes	-
-	-	Yes	-
-	-	Yes	-
-	-	Yes	-
Yes (100G)	-	-	-
-	-	-	-
-	-	-	-
-	-	Pass, product specific	-
-	-	Pass, product specific	-
Pass (100G)	-	-	-
-	-	Pass, product specific	-
-	-	-	Pass
Pass (100E)	-	-	Pass
Pass (100E)	-	-	-
Pass (100E)	-	-	Pass
Pass (100E)	-	-	Pass
-	-	-	-

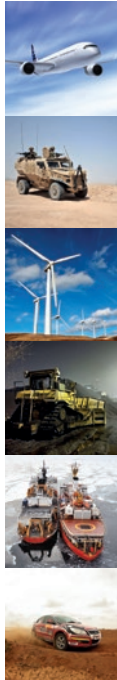




Working closely with suppliers and manufacturers worldwide we offer a comprehensive range of high performance components and associated products for the Aerospace, Defence, Energy, Industrial, Marine and Motorsport markets. Our experienced internal and external sales teams offers leading customer service and support.

With immediate access to in excess of 8000 product lines from an extensive 'off the shelf' stock profile for next day delivery as standard, along with flexible MOQ's and pack sizes.

We are fully committed to complying with the latest quality approvals for the customers and markets we serve, including ISO9001:2008 and AS9120:2010.



+44(0)1793 616700
 sales@is-rayfast.com
 www.is-rayfast.com

2 Lydiard Fields, Swindon, Wiltshire, SN5 8UB, UK.

Key distribution partners for...



All the information contained in this publication is believed to be reliable. However, we advise that customers should separately evaluate the suitability of our products for their particular application. The IS-Group give no guarantee in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our standard terms and conditions of sale for these products. In no instance will we be liable for any eventual, indirect, or consequential damage or damages from the sale, resale, transfer, use or misuse of the product.

Images and illustrations used in this publication are used with the permission and/or under open licence agreement, attributed to various sources including our supplier partners, Crown Copyright (courtesy of Defence Imagery), iStock and Dreamstime.