

WIRE & CABLE

ACT150

Airframe wiring and interconnect cables

1 Applications

Effective cables for challenging and hazardous environments. Used predominantly throughout the aerospace industry. Additional applications include communications, automotive, mass transit, defence/marine, oil, gas and petrochemical plants.

Features & Benefits

- Low weight/volume
- Resistance to oils and solvents
- High and low temperature capabilities
- Excellent fire resistance
- Low smoke and fume properties
- Excellent physical performance and aging Properties
- Approved by Civil Aviation Authority

Performance

- Meet requirements of BSG230 Test 42 (Resistance to arc tracking)

Operating Temperature

- -65°C to +150°C (on all ACT150 types)

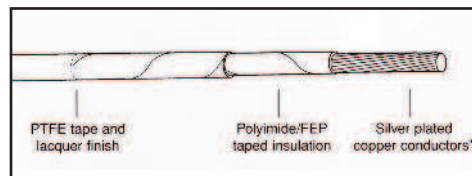
Voltage Rating

- 600 volts rms at 2000Hz (on all ACT150 types)

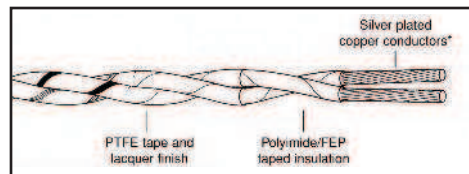
Specifications

- ACT150 Type 01
- ACT150 Type 02
- ACT150 Type 03
- ACT150 Type 04
- ACT150 Type 05
- ACT150 Type 06

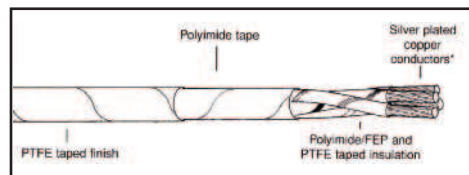
Note: For further information, technical data or assistance with your specific ACT150 wire and cable requirements, please contact us.



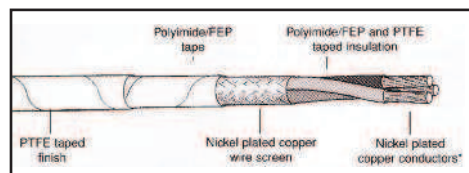
Single Core



Twisted Single Cores



Jacketed



Screened & Jacketed

Single Core

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Part Number	Wire Type	Description	Gauge Size AWG	Weight kg/km	Colours
ACT150	01	Single core interconnect wire	16 - 24	14.11 - 2.7	See note below
ACT150	02	Single core airframe wire	12 - 24	30.1 - 2.96	See note below

Note: All colours are Pastel shades.

Size 24 = Blue, Size 22 = Green, Size 20 = Red, Size 18 = White, Size 16 = Blue, Size 14 = Green, Size 12 = Yellow.

Twisted Single Cores

Part Number	Wire Type	Description	Gauge Size AWG	Weight kg/km	Colours
ACT150	01	Twisted pair interconnect wire	16 - 24	29.1 - 5.5	See note below
ACT150	01	Twisted triple interconnect wire	16 - 24	43.6 - 8.24	See note below
ACT150	01	Twisted triple interconnect wire	16 - 24	58.13 - 11	See note below
ACT150	02	Twisted pair airframe wire	12 - 24	61.9 - 6.11	See note below
ACT150	02	Twisted triple airframe wire	12 - 24	92.9 - 9.2	See note below
ACT150	02	Twisted quad airframe wire	12 - 24	123.9 - 12.22	See note below

Note: All colours are Pastel shades with spiral stripe.

Size 24 = Blue, Size 22 = Green, Size 20 = Red, Size 18 = White, Size 16 = Blue, Size 14 = Green, Size 12 = Yellow.
Stripes: Twisted pair = red & blue, twisted triple = red, blue & yellow, twisted quad = red, blue, yellow & green.

Jacketed

Part Number	Wire Type	Description	Gauge Size AWG	Weight kg/km	Colours
ACT150	03	2-Core interconnect cable	16 - 24	30.2 - 6.1	See note below
ACT150	03	3-Core interconnect cable	16 - 24	44.9 - 8.9	See note below
ACT150	03	4-Core interconnect cable	16 - 24	59.6 - 11.7	See note below
ACT150	04	2-Core airframe cable	12 - 24	63.6 - 6.75	See note below
ACT150	04	3-Core airframe cable	12 - 24	94.8 - 9.9	See note below
ACT150	04	4-Core airframe cable	12 - 24	125.9 - 13	See note below

Note: All colours are Pastel shades with spiral stripe and the outer jacket is white.

Size 24 = Blue, Size 22 = Green, Size 20 = Red, Size 18 = White, Size 16 = Blue, Size 14 = Green, Size 12 = Yellow.
Stripes: 2-Core = red & blue, 3-core = red, blue & yellow, 4-Core = red, blue, yellow & green.

Screened & Jacketed

Part Number	Wire Type	Description	Gauge Size AWG	Weight kg/km	Colours
ACT150	05	Single Core interconnect cable	16 - 24	22.3 - 7.2	See note below
ACT150	05	2-Core interconnect cable	16 - 24	41.8 - 12.2	See note below
ACT150	05	3-Core interconnect cable	16 - 24	58.8 - 16	See note below
ACT150	05	4-Core interconnect cable	16 - 24	74 - 19	See note below
ACT150	06	Single Core airframe cable	12 - 24	41.7 - 7.99	See note below
ACT150	06	2-Core airframe cable	12 - 24	80.5 - 13.6	See note below
ACT150	06	3-Core airframe cable	12 - 24	115.2 - 17.9	See note below
ACT150	06	4-Core airframe cable	12 - 24	147.4 - 21.2	See note below

Note: All colours are Pastel shades with a spiral stripe and the outer jacket is white.

Size 24 = Blue, Size 22 = Green, Size 20 = Red, Size 18 = White, Size 16 = Blue, Size 14 = Green, Size 12 = Yellow.
Stripes: 2-Core = red & blue, 3-Core = red, blue & yellow, 4-Core = red, blue, yellow & green.