

Customised Multicore Cables



Cabletec is established as a market leader in the design and supply of high performance multicore cables. Using the benefits of polymer and radiation technology Cabletec is able to offer a combination of wire insulation materials to meet the most demanding environmental conditions. The lightweight characteristics of PTFE, SPEC 44 and SPEC 55 wire often bring weight saving in excess of 44% over traditional cables with operating temperatures of between -75°C to +260°C. The unique choice of materials available can be applied to both primary wires and the jacket insulation combined with a selection of screened braid options for optimum screening EMC performance.

Cabletec has full cable design facilities and is able to offer low minimum order quantities, short lead times, hand-built prototypes and a range of extensible (curly) cable options.



Screened & Jacketed Pair

Primary Wire Selection

Type	Continuous Operating Temperature	Chemical Resistance	Mechanical Performance	Flammability	Applications
Radox 125	-40°C to +125°C	Good	Good	Self extinguishing / Zero-halogen	Industry / Off-shore / Commercial
SPEC 44	-65°C to +150°C	Very Good	Excellent	Self extinguishing	Military / Industry / Commercial
SPEC 55	-65°C to +200°C	Very Good	Excellent	Self extinguishing	Military / Aerospace / Auto-sport
PTFE	-75°C to +260°C	Excellent	Good	Non-burning	Military / Commercial / Instrumentation

Jacket Material Selection

Type	Continuous Operating Temperature	Chemical Resistance	Flexibility	Flammability	Applications
RNF-100	-55°C to +135°C	Good	Good	Self extinguishing	Military / Commercial
DR-25	-75°C to +150°C	Very Good	Very Good	Self extinguishing	Military / Industrial / Auto-sport
ZHTM	-30°C to +105°C	Good	Good	Self extinguishing / Zero-halogen	Mass transit / Marine / Off-shore
Viton-E	-55°C to +200°C	Excellent	Good	Self extinguishing	Military / Aerospace / Industrial
PTFE / PFA	-75°C to +260°C	Excellent	Fair	Non-burning	Military / Aerospace / Commercial

Availability

Low minimum order quantities
Hand-built prototypes
Short lead times
Custom designed

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