

Manufacturers of machine built
high performance multicore cables

IS-Cabletec's customised multicore cable build service is unique; providing high performance, machine built cables insulated with either an extruded jacket, a stainless steel over-braid or a heat-shrink jacket.

Heat-shrink tubing can provide a cost effective alternative to extruded cable jackets, particularly for applications needing only a relatively small quantity of cable. Unlike other cable manufacturers we have no minimum order policy and regularly build complex multicore cables in quantities of less than 100 metres.

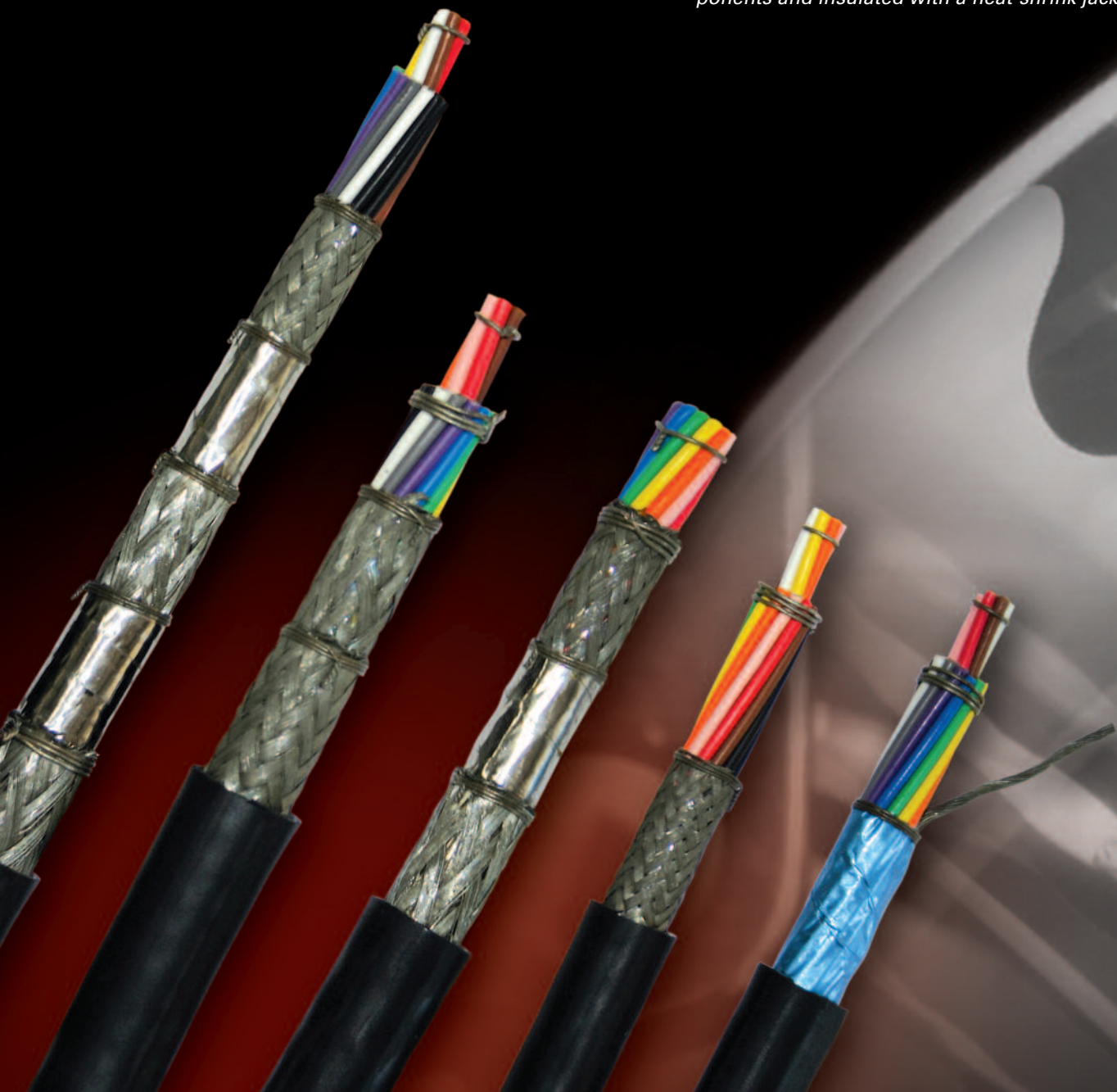
Our unique approach to cable manufacturing combines the quality of a machine built cable with the convenience of a hand build, minimising waste and avoiding other cable

manufacturers' high minimum order quantities. In addition, by using our novel combination of machine cabled components insulated with a heat-shrink jacket, we aim to build and deliver your cable within 4 weeks of receiving your order*

At IS-Cabletec we use only high quality, market approved components sourced from leading wire and cable manufacturers, resulting in cables that are tough, light weight and designed to withstand fluids and temperatures up to 260°C.

Our cables can be tailored to suit a wide range of demanding applications and are particularly ideal for prototypes, test leads and cable harness preforms.

**For cable designs manufactured from stocked components and insulated with a heat-shrink jacket.*



No MOQ Policy
Short Lead Times
Rapid Response
Machine Built Quality
Exact Lengths - No Waste

Design Assistance
Product Drawing
Full Traceability
Market Approvals

*Temperatures up to 260°C
Cable diameters of up to 50mm
EMC Screening up to 99% optical coverage*

*Tough • Low Toxicity • Low Smoke • Flexible
Chemical Resistant • Abrasion Resistant • Light Weight*

CABLE OPTIONS

PRIMARY WIRE

PTFE
Cross-linked ETFE
Cross-linked PVDF
Cross-linked Halogen Free

SHIELDING

Super Screened
Double Optimised
Single Optimised
Aluminised Mylar

CABLE JACKETS

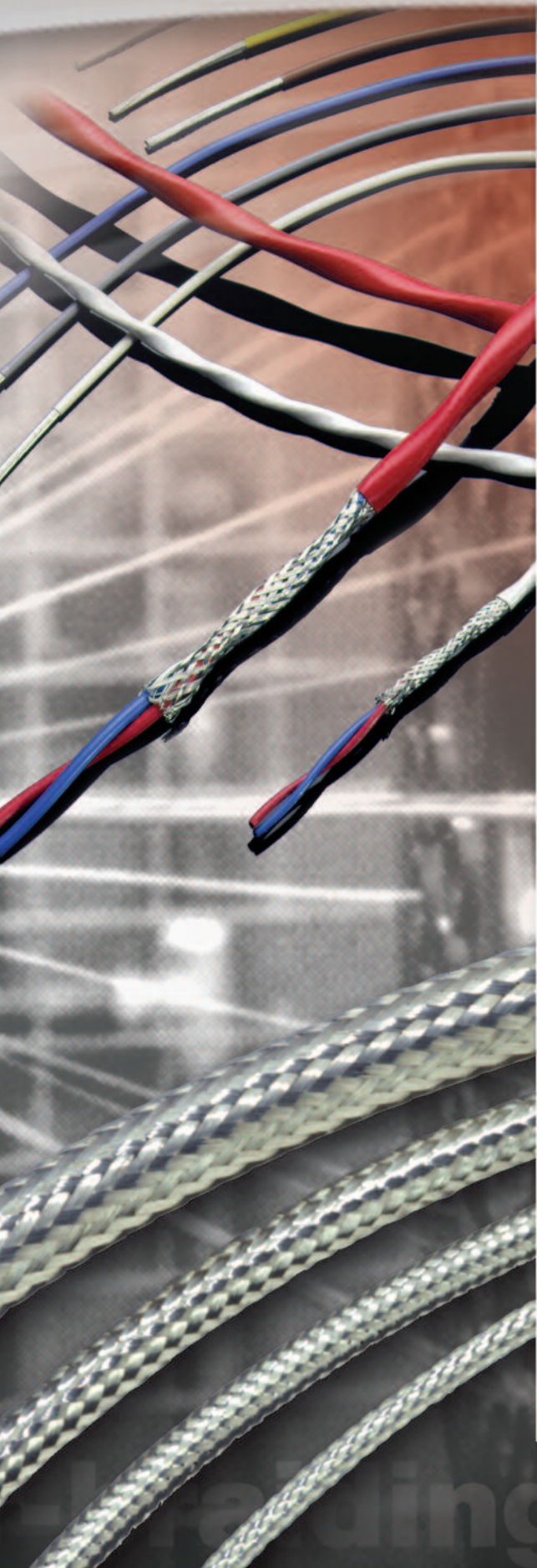
High Temperature
Fluid Resistant
High Flexibility
Zero Halogen

DESIGN OPTIONS

Coiled
Hybrids
Stainless Steel Over-braid
Nomex Over-braid

CABLE TYPES

Customised Multicores
Sensor Cables
Prototypes
Test leads
Cable Harness Preforms
Umbilicals



CONDUCTOR SELECTION

AWG	Cross sectional Area nominal (mm ²)	Current carrying capacity (amps) 30°C¥ nominal rise
30	0.06	2.2
28	0.09	2.9
26	0.16	4.1
24	0.24	5.5
22	0.38	7.4
20	0.62	10.0
18	0.96	14.0
16	1.23	15.5
14	1.94	21.0
12	2.97	28.0

PRIMARY WIRE SELECTION

Type	Temperature Range (°C)	Chemical Resistance	Mechanical Resistance	Recommended Application
PTFE	-75 to +260	Excellent	Good	Aerospace Industrial
Cross-linked ETFE	-65 to +200	Very Good	Excellent	Aerospace Military
Cross-linked PVDF	-65 to +150	Very Good	Excellent	Military Industrial
Cross-linked Halogen Free	-55 to +125	Good	Good	Military Industrial

CABLE JACKET SELECTION

Type	Temperature Range (°C)	Chemical Resistance	Mechanical Resistance	Characteristics
MCDM-260*	-75 to +260	Excellent	Good	Very High Temperature
MCDM-200	-65 to +200	Very Good	Excellent	High Temperature
MCDM-150	-65 to +150	Very Good	Very Good	Fluid Resistant
MCDM-135	-55 to +135	Good	Good	General Purpose
MCDM-105	-55 to +105	Good	Good	Low Fire Hazard

*Extruded jacket option only

“Our aim is to manufacture and deliver high quality machine built customised cables within 4 weeks of receiving an order”



IS-Cabletec is a specialised manufacturer of high performance metal braids, bonding leads, specialist braided connectors and customised multicore cables.

Situated in Weston-super-Mare, UK we have design and manufacturing facilities producing a comprehensive range of customised braided products and cables built from an unrivalled choice of components, options and constructions.

IS-Cabletec is an approved manufacturer to many of Europe's largest companies, serving our focus market sectors; Aerospace, Defence, Industrial and Energy.

IS-Cabletec is approved to AS/EN9100 Rev B, BS EN ISO 9001:2000 and SBAC/ASAC.

Aerospace

Industrial

Defence

Energy



IS-Cabletec Sunnyside Road Weston-super-Mare Somerset BS23 3PZ UK

Tel: +44 (0) 1934 424900 Fax: +44 (0) 1934 636632 Email: sales@is-cabletec.com Web: www.is-cabletec.com