Habia | HEW KABEL Habia Cable

Defence capabilities

Available options for custom designed cables

Singles and multi-cores

Core sizes from 36 AWG up to 95mm² (cabled). Single cores up to 400mm². Mark and trace or standard colour separation available for most materials, with bi-colour and tri-colour options available on request.

Data cables

77Ω, 90Ω, 100Ω and 120Ω shielded and un-shielded pairs.

Vent tubes and hoses

PE, PTFE, ETFE and PA tubes in sizes from 1mm up to 18mm. Incorporated for buoyancy, pneumatics and cooling.

Signal cables

Shielded and un-shielded options in a range of materials.

Shielding (screening)

A variety of shielding options available, including optimised braided and lapped (served) copper wires, foil and drain-wire shields, superscreened constructions, for both magnetic and electrical protection

Thermocouple pairs

Most common extension and compensation cables (e.g. EX, JX, KX, NX, TX, KCB and RCA/SCA types).

Fillers

Low, medium and high-temperature fillers in solid, fibrous and water-swellable options for improved cable lay-up. Voids in the cable can be filled using low temperature filling compound or Silicon to make the cables water tight.

Coaxial cables

50Ω, 75Ω and 95Ω options in standard sizes from 1mm up to approx. 10mm. Standard and high-temperature (+200°C) options available in accordance with DSP 61-12 Part 9 and MIL-C-17.

Tapes and binders

Medium and high-temperature binders (incl. water-swellable) for improved dynamic performance and layer separation.

Armouring

Stainless steel braids for cut-through resistance.

Aramid strain relief

Encapsulated or stand-alone braids and central strength members with breaking strains up to approx. 60 kN.

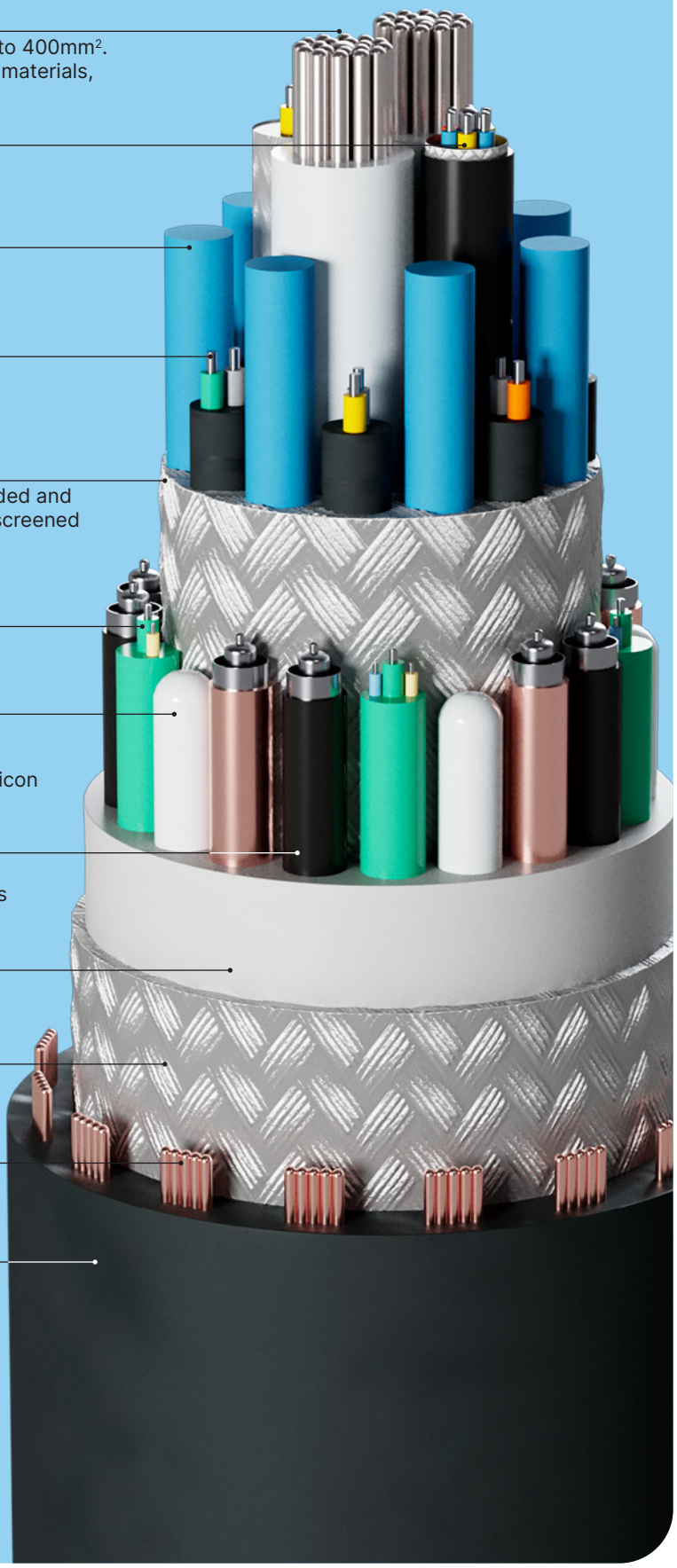
Sheathing (Jacketing)

Diameters up to 70mm and temperatures ranging from -75°C up to +260°C.

Approvals

Cores and jackets can be approved to, or manufactured in accordance with a number of Airframe, Land forces and Naval approvals including:

- Def Stan 61-12 Part 31 & Part 33/001 and VG 95218
- NEMA HP-3, SAE-AS22759, NF C 93-523 and -524



Defence connectivity solutions for any mission

At Habia we specialise in creating custom cables and harnesses for some of the world's most demanding industries, including the nuclear and aerospace sectors. Since the 1970s, we've been an active partner to the defence sector, providing a wide variety of military-grade cable and harness solutions – for radars, weapon stations, vehicles, ships, sonars, drones, satellites and much more. In close collaboration with leading military partners and suppliers, we have a strong track record of meeting the most demanding applications.

Together we solve connectivity challenges in the defence industry and enable the technologies of the future.

Approvals (Defence)

Def Stan 61-12 (NSN 6145-...)

Part 9
Part 18
Part 25
Part 31
Part 33
Part 61-12 (part 8) issue 3

German Military Standards

VG 95218-8
VG 95218-9
VG 95218-20
Type A
Type B
Type G
Type P*
Type R
Type J
VG 95218-21
Type E
Type F
VG 95218-22
Type C
Type G
VG 95218-23
Type C
Type F
VG 95218-24
Type K
VG 95218-25
Type G
VG 95218-26
Type H
VG 95218-27
Type A
Type B
VG 95218-28
Type A
Type B
Type C**
Type D
VG 95218-29
Type G
Type H
Type K
Type L
VG 95218-T060 A, B and C
VG 95218-T061 A
VG 95218-T062 A
VG 95218-T063 A
VG 95218-T064 A, B and C
VG 95218-T065 A, B and C
VG 95218-T066 A

Defence offering

- Custom wires, cables and harnesses for radars, weapon stations, vehicles, ships, sonars, submarines, aircraft, etc.
- Wires to BS 3G 210
- Hi-Flex™ power cables
- Lightweight marine cables to DNV GL/ABS/BV/CCS/LR/NK
- Other national and OEM qualified cables

More support

Our team of cable and harness experts can also help develop, write and document these stringent standards. This ensures you get a solution tailored to meet your exact needs while adhering to the highest levels of quality and reliability.

*up to 2,5 mm²
**except cables including 23G

For details about our offering, go to

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