

# Approvals

List of key approvals manufactured by Habia Cable

## Approved cable types

Standards		Product	Material		Properties	
Approved to		Name	Insulation	Sheath	Voltage	Temp
American Bureau of Shipping (ABS)		RTFRO	ETFE	ETFE	300V AC	95°C
		DMFRO	HFI 140	HFS 125 XL	600V AC	95°C
Bureau Veritas (BV)		RTFRO	ETFE	ETFE	300V AC	95°C
		DMFRO	HFI 140	HFS 125 XL	600V AC	95°C
British Standard	BS 3G 210		PTFE	PTFE	300 - 1kV AC	190°C
China Classification Society (CCS)		RTFRO	ETFE	ETFE	300V AC	95°C
		DMFRO	HFI 140	HFS 125 XL	600V AC	95°C
DNV GL		RTFRO	ETFE	ETFE	300V AC	95°C
		DMFRO	HFI 140	HFS 125 XL	600V AC	95°C
Lloyds Register (LR)		RTFRO	ETFE	ETFE	300V AC	95°C
		DMFRO	HFI 140	HFS 125 XL	600V AC	95°C
Nippon Kaiji Kyokai (NK)		RTFRO	ETFE	ETFE	300V AC	95°C
		DMFRO	HFI 140	HFS 125 XL	600V AC	95°C
UK Defence Standard	DSP 61-12 Pt 8	Seaguard DS	PTFE	-	300 - 1kV AC	190°C
	DSP 61-12 Pt 9		HFI 90 L	HFS 107 XL B	-	+85°C
	DSP 61-12 Pt 18		HFI 140	-	600V AC	+85°C
	DSP 61-12 Pt 25		HFI 140	HFS 107 XL B	600V AC	+85°C
	DSP 61-12 Pt 31		-	HFS 107 XL B	600V AC	+85°C
	DSP 61-12 Pt 33/001		LSI 155	LSI 155	600V AC	< +150°C
Underwriters Laboratories (UL) Underwriters Laboratories, Canada (cUL) Canadian Standards Association (CSA)		Refer to the UL & CSA Wires, Cables and Coaxials section for details				
Verband Deutscher Elektrotechniker (VDE)	VDE 0250 T 106		FEP FEP PTFE PTFE	- FEP - PTFE	300V AC 300V AC 300V AC 300V AC	< 180°C < 180°C < 200°C < 200°C
	VDE 0881: 1986-03		PTFE FEP ETFE	- - -	- - -	< 260°C < 200°C < 150°C
VG Standard	VG 95218 T 020 A	Landguard VG	ETFE	-	600V AC	150°C
	VG 95218 T 020 G		TPS 155 XL	-	600 AC	150°C
	VG 95218 T 021 E		ETFE	ETFE	600V AC	150°C
	VG 95218 T 022 C		ETFE	ETFE	600V AC	150°C
	VG 95218 T 023 F		ETFE	ETFE	600V AC	150°C
	VG 95218 T 024 K		TPS 155 XL	TPS 125 XL	600V AC	150°C
	VG 95218 T 025 G		TPS 125 XL	-	600V AC	150°C
	VG 95218 T 027 B		ETFE	TPS 125 XL	600V AC	150°C
	VG 95218 T 028 D		ETFE	TPS 125 XL	600V AC	150°C
	VG 95218 T 029 G	Landguard LWB VG	TPS 155 XL	HFS 100	600V AC	90°C
	VG 95218 T 029 H		ETFE	HFS 100	500V AC	90°C
	VG 95218 T 029 K		ETFE	HFS 100	500V AC	90°C
	VG 95218 T 029 L		ETFE	HFS 100	500V AC	90°C

Habia Cable is fully approved by the appropriate standards authority to manufacture cables in the above list according to the relevant specification. Approval certificates can be provided on request.

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## In accordance with...

Standards		Product	Material		Properties	
In accordance with		Name	Insulation	Sheath	Voltage	Temp
Norme Francaise (NF)	NF C 93-523	KZ	PTFE	FEP	250 - 1kV AC	200°C
	NF C 93-524	KU	ETFE	ETFE	600V AC	150°C
Mil / SAE spec.	MIL-DTL-17...	RG Coaxial	PTFE	FEP	-	-
	MIL-DTL-17/176-00002		PTFE	PTFE	750V AC	200°C
	MIL-W-16878/4 - /6	ET, E, EE	PTFE	-	250 - 1kV AC	200°C
	MIL-W-16878/11 - /13	KT, K, KK	FEP	-	250 - 1kV AC	200°C
	MIL-W-16878/23 - /28	ET, E, EE	PTFE	-	250 - 1kV AC	260°C
	MIL-W-22759/16 - /19	ZL, ZLA, ZN, ZNA	ETFE	-	600V AC	150°C
National Electrical Manufacturers Association (NEMA)	HP-3	ET, E, EE	PTFE	-	250 - 1kV AC	200°C
	HP-4	KT, K, KK	FEP	-	250 - 1kV AC	150°C
Swedish Standard	SS 424 02 46	RT	ETFE	-	300 - 450V AC	155°C

Cables in the above list are manufactured fully in accordance with the stated specification and can be considered fit for purpose to the spec., however Habia Cable does not hold full approval for these items and cannot issue approval certificates.

The reason for this can vary with some specifications requiring QPL listing (Habia Cable is not a QPL listed company), some now being historical only, and some requiring self-certification only.

Some specifications such as MIL-C-17 require specific sheath marking. Where this is required and Habia doesn't hold approval to supply, cables will be manufactured either without marking or with our standard jacket marking as is required by the customer.