

# Def Stan 61-12 Part 25 / D-TX variants

HFI 140 insulated, HFS 107 XL B sheathed, multicores to DSP 61-12 Pt 25  
 Intended for use on electric power and communications circuits  
 600/1000 V AC

Order reference		Cores				Finished cable			Electrical	
Description (NSN)	Article Number	No. of cores	Tin Plated Copper (TPC)		HFI 140	TPC braid	HFS 107 XL B	Weight	DC resistance	DC current rating
			CSA	Size	Insulation	Shield/s	Sheath/s		DSP 61-12 Pt 25	In free air at 40°C
		Lay up	mm <sup>2</sup> (AWG)	Nom Ø	Nom Ø	Nom Ø	Max Ø	Nom g/m	Max Ω/km	Amps
D 2419 STX 1x2 (6145-99-300-3357)	6193003357	1 x 2	0.22 (24)	0.60	1.00	2.45	5.00	TBC	95.6	TBC
D 2419 STX 2x2 (6145-99-151-1420)	6191511420	2 x 2	0.22 (24)	0.60	1.00	4.15	6.75	TBC	95.6	TBC
D 2419 STX 3x2 (6145-99-814-3055)	6198143055	3 x 2	0.22 (24)	0.60	1.00	4.40	7.05	TBC	95.6	TBC
D 2419 STX 5x2 (6145-99-495-8660)	6194958660	5 x 2	0.22 (24)	0.60	1.00	5.30	8.15	TBC	95.6	TBC
D 2419 STRN 2 - STX 2 (6145-99-660-1418)	6196601418	2 x 2 s	0.22 (24)	0.60	1.00	7.70	9.90	TBC	95.6	TBC
D 2419 STRN 2 - STX 2+2x4 (6145-99-663-3453)	6196633453	2 x 2 s + 2 x 4	0.22 (24)	0.60	1.00	7.95	10.2	TBC	95.6	TBC
D 2019 STRN 2 - STX 2+2x2 (6145-99-708-9090)	6197089090	2 x 2 s + 2 x 2	0.60 (20)	0.96	1.36	9.30	11.7	TBC	33.2	TBC
D 2019 STRN 2 - STX 1+5x2 (6145-99-902-1196)	6199021196	1 x 2 s + 5 x 2	0.60 (20)	0.96	1.36	-	12.0	TBC	33.2	TBC
D 2419 STRN 4 TX 7 (6145-99-547-6530)	6195476530	7 x 4 s	0.22 (24)	0.60	1.00	-	14.8	TBC	95.6	TBC
D 2419 STX 1x2+3 (6145-99-438-6390)	6194386390	1 x 2 + 3	0.22 (24)	0.60	1.00	-	6.80	TBC	95.6	TBC
D 2219 STX 12 (6145-99-724-8835)	6197248835	12	0.35 (22)	0.76	1.16	5.40	7.80	108	60.0	5
D 2019 STX 4 (6145-99-724-8838)	6197248838	4	0.60 (20)	0.96	1.36	4.10	6.00	67	33.2	9
D 1619 STX 2 (6145-99-724-8843)	6197248843	2	1.5 (16)	1.20	1.82	4.50	6.00	67	14.5	18
D 2019 SSTX 2 (6145-99-724-8840)	6197248840	2 + 2 F	0.60 (20)	0.96	1.36	3.40 4.00	5.00	52	33.2	11
D 2019 SSTX 3 (6145-99-724-8837)	6197248837	3 + 3 F	0.60 (20)	0.96	1.36	3.70 4.90	5.10	60	33.2	10
D 2019 SSTX 6 (6145-99-724-8839)	6197248839	6 + 1 F	0.60 (20)	0.96	1.36	4.90 5.50	7.80	121	33.2	8
D 2019 SSTRN2 - STX 9 (6145-99-724-8841)	6197248841	9 x 2 s	0.60 (20)	0.96	1.36	18.3	21.3	699	33.2	6
D 2019 SSTRN2 - STX 19 (6145-99-724-8842)	6197248842	19 x 2 s	0.60 (20)	0.96	1.36	23.1	26.3	1,300	33.2	4
D 2219 STRN 2 - SSSTX 19 (6145-99-724-8836)	6197248836	19 x 2 s	0.35 (22)	0.76	1.16	16.8	19.8	724	60.0	3

## Cable identification

Cores	Mark & trace 1 core in a layer: White 1 <sup>st</sup> core in each layer: Red, 2 <sup>nd</sup> core in each layer: Blue, all remaining cores White	1 2 3 4 5
Sheath	Black	
Marking	DSP 61-12 PT 25 - Description - CSA - Country of production - Company Code - Year of production - Last 7 digits of the NSN	

## Characteristics and key properties

<b>CE</b>	<b>UK CA</b>	RoHS REACH LVD	<b>Current rating</b> DIN VDE 0298-4	<b>Fluid resistant</b> Fuel Oil Water	<b>Flame resistant</b>	<b>Halogen free</b>	<b>Smoke free</b>	<b>MBR</b> Fixed = 4x Ø Flexing = 10x Ø
<b>Approval</b> Def Stan 61-12 Part 25	<b>Approval</b> Def Stan 61-12 Part 18 cores	<b>Approval</b> Def Stan 61-12 Part 31 sheath	<b>Codified</b> Nato Stock Number (NSN)			<b>Temp low</b> -30°C	<b>Temp</b> >40,000 hrs +85°C	<b>Temp peak</b> +120°C

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Description (NSN)	Article Number	No. of cores	Tin Plated Copper (TPC)		HFI 140	TPC braid	HFS 107 XL B	Weight	DC resistance	DC current rating
			CSA	Size	Insulation	Shield/s	Sheath/s		DSP 61-12 Pt 25	In free air at 40°C
		Lay up	mm <sup>2</sup> (AWG)	Nom Ø	Nom Ø	Nom Ø	Max Ø	Nom g/m	Max Ω/km	Amps
D 2019 ST1 - TX2 6145-99-527-1402	6195271402	2 s	0.60 (20)	0.96	1.36	-	6.50	60	33.1	11
D 2019 ST 1 - TX 3 6145-99-087-1040	6190871040	3 s	0.60 (20)	0.96	1.36	-	6.80	74	33.1	10
D 2019 ST 1 - TX 4 6145-99-932-6710	6199326710	4 s	0.60 (20)	0.96	1.36	-	7.60	90	33.1	9
D 2019 ST 1 - TX 6 6145-99-930-5980	6199305980	6 s	0.60 (20)	0.96	1.36	-	8.80	129	33.1	8
D 2019 ST 1 - TX 7 6145-99-701-4339	6197014339	7 s	0.60 (20)	0.96	1.36	-	8.80	136	33.1	8
D 2019 ST 1 - TX 12 6145-99-097-6444	6190976444	12 s	0.60 (20)	0.96	1.36	-	11.4	221	33.1	7
D 2019 ST 1 - TX 18 6145-99-300-5264	6193005264	18 s	0.60 (20)	0.96	1.36	-	13.4	321	33.1	6
D 2019 ST 1 - TX 25 6145-99-743-5422	6197435422	25 s	0.60 (20)	0.96	1.36	-	15.8	425	33.1	5

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Sheath	Black	
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<b>Approval</b>	<b>Approval</b>	<b>Approval</b>	<b>Codified</b>					<b>Temp low</b> <b>-30°C</b>	<b>Temp &gt;40,000 hrs</b> <b>+85°C</b>	<b>Temp peak</b> <b>+120°C</b>
Def Stan 61-12 Part 25	Def Stan 61-12 Part 18 cores	Def Stan 61-12 Part 31 sheath	Nato Stock Number (NSN)							

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