

## Habiatron™ / Q Class multicores

HFI 260 insulated, HFS 105 XL B sheathed multicores for Class 1E use

Intended for use in safety related equipment for harsh environments and for accident conditions

300/500 V AC

Order reference		Cores				Finished cable			Electrical	
Description	Article Number	No. of cores	Tin Plated Copper (TPC)		HFI 260	Cu foil	HFS 105 XL B	Weight	DC resistance	DC current rating
			Size	Conductor	Insulation	Shield/s	Sheath/s			In free air at 40°C
		Lay up	mm <sup>2</sup> (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps
M/TPC 2019 STQ 2	700044341	2	- (20)	0.96	1.52	3.2	4.8	42	33.6	13
M/TPC 1.0 STQ 2	700044362		1.0	1.20	1.84	3.9	5.5	56	21.0	18
M/TPC 2019 STQ 3	700044342	3	- (20)	0.96	1.52	4.0	5.6	53	33.6	12
M/TPC 1.0 STQ 3	700044363		1.0	1.20	1.84	4.2	5.8	68	21.0	17
M/TPC 2019 STQ 4	700044343	4	- (20)	0.96	1.52	3.9	5.5	59	33.6	11
M/TPC 1.0 STQ 4	700044364		1.0	1.20	1.84	4.9	6.5	82	21.0	16
M/TPC 2019 STQ 12	700044344	12	- (20)	0.96	1.52	6.5	8.5	133	33.6	8
M/TPC 2019 STQ 14	700044345	14	- (20)	0.96	1.52	6.9	8.9	150	33.6	8
M/TPC 2019 STQ 20x2	700044346	20 x 2	- (20)	0.96	1.52	(N) 15.0	18.0	513	33.6	5

600/1000 V AC

Description	Article Number	Lay up	mm <sup>2</sup> (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps
M/TPC 1619 STQ 2	700044350	2	- (16)	1.36	2.01	4.2	5.8	64	16.6	21
M/TPC 1419 STQ 2	700044353		- (14)	1.70	2.36	4.9	6.5	89	10.5	27
M/TPC 2.5 STQ 2	700044365		2.5	1.95	2.65	5.5	7.5	114	8.62	32
M/TPC 1237 STQ 2	700044356		- (12)	2.20	2.90	6.0	8.0	140	6.92	36
M/TPC 1037 STQ 2	700044359		- (10)	2.82	3.53	7.3	9.3	203	4.33	48
M/TPC 10 STQ 2	700044368		10.0	3.93	4.83	9.9	12.3	384	2.05	78
M/TPC 1619 STQ 3	700044351	3	- (16)	1.36	2.01	4.5	6.1	75	16.6	19
M/TPC 1419 STQ 3	700044354		- (14)	1.70	2.36	5.3	7.3	114	10.5	25
M/TPC 2.5 STQ 3	700044366		2.5	1.95	2.65	5.9	7.9	146	8.62	29
M/TPC 1237 STQ 3	700044357		- (12)	2.20	2.90	6.5	8.5	150	6.92	33
M/TPC 1037 STQ 3	700044360		- (10)	2.82	3.53	8.6	11.0	261	4.33	44
M/TPC 10 STQ 3	700044369		10.0	3.93	4.83	10.6	13.2	506	2.05	71
M/TPC 1619 STQ 4	700044352	4	- (16)	1.36	2.01	5.2	7.2	100	16.6	18
M/TPC 1419 STQ 4	700044355		- (14)	1.70	2.36	6.6	8.6	151	10.5	23
M/TPC 2.5 STQ 4	700044367		2.5	1.95	2.65	6.8	8.8	179	8.62	27
M/TPC 1237 STQ 4	700044358		- (12)	2.20	2.90	7.8	9.8	210	6.92	31
M/TPC 1037 STQ 4	700044361		- (10)	2.82	3.53	9.3	11.7	343	4.33	41

Other designs (including un-screened versions) are available for this part of the standard and will be incorporated on an on-going basis. Should you require an item that is not included within this table, please contact one of our sales offices.

### Cable identification

Cores	Natural (Grey - Amber) & numbered	1 2 3 4
Sheath	Black	●
Marking	Habiatron Description - Cores x Size - Voltage - Screen - Article No. - Year-Week - Batchcode	

### 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> Water	<b>Flame resistant</b> IEEE 1202 UL 1581 VW-1	<b>Halogen free</b> IEC 60754-1 IEC 60754-2	<b>Smoke free</b> IEC 60754-2	<b>MBR</b> Fixed = 7.5x Ø
<b>Type test to IEEE</b>					<b>Temp installation</b> <b>-25°C</b>		<b>Temp &gt;60 years LOCA</b> <b>+90°C</b>	

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