

## Habiatron™ / R Class multicores

ETFE insulated, HFS 80 N sheathed multicores for non-Class 1E use

Intended for use in nuclear related equipment located in mild environmental conditions

300/500 V AC

Order reference		Cores				Finished cable			Electrical	
Description	Article Number	No. of cores	Tin Plated Copper (TPC)		ETFE	-	HFS 80 N	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
ZN 1819 TW 3	700044371	3	(18)	1.21	1.80	-	5.7	56	21.4	16
ZN 1819 TW 4	700044372	4	(18)	1.21	1.80	-	6.1	69	21.4	15



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
ZN 1619 TW 2	700044373	2	- (16)	1.36	2.01	-	5.8	53	16.6	20
ZN 1419 TW 2	700044376		- (14)	1.70	2.36	-	6.5	72	10.5	27
ZN 2.5 TW 2	700044391		2.50	1.95	2.71	-	7.6	99	8.62	32
ZN 1237 TW 2	700044379		- (12)	2.20	2.90	-	8.0	118	6.92	36
ZN 1037 TW 2	700044382		- (10)	2.82	3.53	-	9.3	177	4.33	48
ZN 6133 TW 2	700044385		- (6)	5.27	6.35	-	15.5	504	1.53	93
ZN 25 TW 2	700044394		25.0	7.20	8.30	-	19.8	787	0.834	148
ZN 50 TW 2	700044396		50.0	10.7	12.2	-	28.4	1,541	0.412	185
ZN 1619 TW 3	700044374	3	- (16)	1.36	2.01	-	6.1	70	16.6	19
ZN 1419 TW 3	700044377		- (14)	1.70	2.36	-	7.3	98	10.5	25
ZN 2.5 TW 3	700044392		2.5	1.95	2.71	-	8.0	123	8.62	29
ZN 1237 TW 3	700044380		- (12)	2.20	2.90	-	8.4	145	6.92	33
ZN 1037 TW 3	700044383		- (10)	2.82	3.53	-	9.8	214	4.33	44
ZN 6133 TW 3	700044386		- (6)	5.27	6.35	-	16.7	593	1.53	85
ZN 4133 TW 3	700044388		- (4)	6.65	7.92	-	20.8	942	0.966	114
ZN 25 TW 3	700044395		25.0	7.20	8.30	-	21.7	1,027	0.834	135
ZN 50 TW 3	700044397	50.0	10.7	12.2	-	31.6	2,139	0.412	170	
ZN 1619 TW 4	700044375	4	- (16)	1.36	2.01	-	7.0	90	16.6	17
ZN 1419 TW 4	700044378		- (14)	1.70	2.36	-	7.9	129	10.5	23
ZN 2.5 TW 4	700044393		2.50	1.95	2.71	-	8.7	157	8.62	27
ZN 1237 TW 4	700044381		- (12)	2.20	2.90	-	9.2	185	6.92	31
ZN 1037 TW 4	700044384		- (10)	2.82	3.53	-	11.1	289	4.33	41
ZN 6133 TW 4	700044387		- (6)	5.27	6.35	-	18.8	798	1.53	80
ZN 4133 TW 4	700044389		- (4)	6.65	7.92	-	22.8	1,213	0.966	106

Other designs (including 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	White & numbered	1 2 3 4
Sheath	Black	
Marking	Habiatron Description - Cores x Size - Voltage - Screen - Article No. - Year-Week - Batchcode	

### Characteristics and key properties

		RoHS REACH LVD	<b>Current rating</b> DIN VDE 0298-4	<b>Fluid resistant</b> Water	<b>Flame resistant</b> IEEE 1202 UL 1581 VVW-1	<b>Smoke free</b> IEC 60754-2	<b>MBR</b> Fixed = 7.5x Ø
<b>Type test to</b> IEEE					<b>Temp installation</b> -25°C	<b>Temp</b> >60 years LOCA +90°C	

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