

Core	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	Layer 7	Layer 8	BS kN	244.6
Material	VHS	VHS	VHS	VHS	VHS	VHS	VHS	VHS	Tot Yns	1418
Yns/Wire	15	15	16	6	4	4	2	2	kg/Yn	17.591
dTex	1670	1670	1670	1670	1670	1670	1670	1670	SG	1.41
Wire No. 1	24	30	38						Mod	70000
Desired Lay mm	166	166	228	260	260	300	300	300	Effy	0.585
Nearest Lay mm	166.0	166.0	223.0						M/C	1470
Width:Thk Ratio	1.3657	1.2053	1.0227						Mat	VHS
Direction	L	L	R	R	L	R	L	R		
Seperator Type n	n	t	t	t	t	t	t	t	BS kg	24,944
Seperator Material		NW	NW							54876
Thickness		0.15	0.15						Pac	1.35
Wire A mm² #Gross#	1.78	1.78	1.90	0.71	0.47	0.47	0.24	0.24	Pac'	1.34
Wire A mm² #Nett#	2.40	2.40	2.56						Pac"	1.30
Layer A mm² 132.73	59.64	75.61	101.13							
Width b mm	1.81	1.70	1.62							
Thick d mm	1.33	1.41	1.58							
ID mm 13.00	13.00	15.65	18.77							
PCD mm	14.33	17.06	20.35							
OD mm	15.65	18.47	21.93							
OD`	15.65	18.772	22.235							
Angle °	15.17	17.89	16.00							
Torque	80	140	202							
Torque Sum		219.61		-201.99					Sum	Torq at Ec = 1.0%
	1	1	-1	-1	1	-1	1	-1	17.623	-0.008 Nm

Cable characteristics at a set elongation of cable.

Elong'n Ec	1.00%	Max dØ	-4.0%	E Step	0.10%	Macro Nos	
Rotation °/m		Compliance	4	° Step	0.10	ELONGM	1.20%
						RNO	11
Ø Change	-2.9%	New Diam	27.2 mm	Start Ø	27.5 mm	TORQ0	0.1411

Core	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	Layer 7	Layer 8	Total
ID mm	12.62	15.27	18.39						
OD mm	15.27	18.09	21.53						
PCD mm	13.95	16.68	19.96						
Angle @ Load	14.65	17.36	15.56						
Wire Elongation	0.75%	0.68%	0.76%						
Wire Stress	525	479	535						
Load kgf	2210	2487	3783						8479.9
Torque N.m	39	64	103						-0.0

-ve rotation tightens RH

Construction

Construction	Rot'n degs/m	Elong' %	Torque N.m	Load kgf	Core Ø Change %	Cable Diam mm
Core Ø 13.00 mm						27.50

Layer	Nw x yns			(0.700)	0.10%	0.77	506	27.42	1
				(0.400)	0.20%	0.41	1,325	27.38	2
Layer 1	24 x 15yns	Lay	166 mm	(0.200)	0.30%	0.15	2,165	27.35	3
Layer 2	30 x 15yns	Lay	166 mm	0.100	0.40%	-0.04	3,023	27.32	4
Layer 3	38 x 16yns	Lay	223 mm	0.200	0.50%	-0.17	3,898	27.29	5
				0.200	0.60%	-0.23	4,789	27.26	6
				0.200	0.70%	-0.24	5,694	27.24	7
				0.200	0.80%	-0.20	6,611	27.22	8
				0.100	0.90%	-0.12	7,540	27.19	9
				0.100	1.00%	-0.01	8,480	27.18	10
				(0.200)	1.10%	0.14	9,429	27.16	11