

Item No.	Description		Fill Efficiency	85%		Rad mm	Diam mm	Lay Factor	Qty	Uwt kg/km	Tot Wt kg/km	kg/km
1.1	SM	3 yns x	3360 dtex	0.7			1.0969	1	1	1.008	1.008	1.008
1.2	LLDPE Sheath					1.4516	4	1	1	10.692	10.692	11.7
1.3	LTFO SS304	2 Fibres x	9/125 µm				1.42	1.0419	2	5.6843	11.845	23.545
	Tube Ø	1.42 mm	Bore Ø	1.12 mm			1.42					23.545
1.4	LLDPE Sheath					0.44	2.3	1.0419	2	2.3654	4.9289	28.473
											28.473	
1.5	Cvt	7	0.5 mm	[1.37mm²] AWG 16			1.5	1.0419	6	12.585	78.675	107.15
	XLPE Insulation					0.4	2.3	1.0419	6	2.2205	13.881	121.03
											121.03	
1.6	Cable	68 mm	Fill norm	Void	10.892		8.6	1	1	12.961	12.961	133.99
	Cupol Tape		25	0.042	150% 52°		8.726	1	1	8.0157	8.0157	142.01
1.7	Screen	Serving	PC	Void	4.7541		9.326	1	1	33.362	33.362	175.37
	Wire Ø	0.30 mm	Carriers	16	1242							175.37
	Lay	60 mm	Ends	3								175.37
	Angle	25.30 °	Fill	0.56	56%		9.326					175.37
1.8	LLDPE Sheath					1.837	13	1	1	62.699	62.699	238.07
											238.07	
2.1	Serve	24 x 15 yns	VHS	Vectran	HS		15.65	1	1	62.376	62.376	300.44
	Serve	30 x 15 yns	VHS	Vectran	HS		18.472	1	1	79.078	79.078	379.52
	NW	Tape	35	0.2	150% 66°		18.772	1	1	4.8264	4.8264	384.35
2.2	Serve	38 x 16 yns	VHS	Vectran	HS		21.935	1	1	105.77	105.77	490.12
	NW	Tape	35	0.2	150% 70°		22.235	1	1	5.724	5.724	495.84
	Braid	24 x 1 x 3 yns	VHS	Vectran	HS		23.594	1	1	15.945	15.945	511.79
	B.S.	756 kg	Void A	34.249	mm²		23.594					511.79
2.3	LLDPE Sheath					1.9529	27.5	1	1	170.98	170.98	682.77
		Total Weight	in Air	682.77	kg/km	457.95	lbs/kft					
		Total Weight	In Sea	73.366	kg/km	49.209	lbs/kft					
		Specific Density		1.1495	SG							
		Break Strength		244.62	kN	54877	lbf					
		Working Load		38.228	kN	8576	lbf					
		Length		4000	m							
		Cable Wt		293.46	kg							
		FISHBITE PROTECTION										
	Base Cable						27.5	1	1	682.77	682.77	682.77
	Screen Braid		ss316	Void	75.819		29.75	1	1	202.8	202.8	885.57
	Wire Ø	0.50 mm	Carriers	48	1236							885.57
	Lay	100 mm	Ends	2								885.57
	Angle	41.96 °	Fill	0.36	59%		29.75					885.57
	LLDPE Sheath					2.125	34	1	1	265.52	265.52	1151.1
		Total Weight	in Air	1151.1	kg/km	772.07	lbs/kft					
		Total Weight	In Sea	219.57	kg/km	147.27	lbs/kft					
		Specific Density		1.2678	SG							