

MOOS System Riser

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
										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 38 x 7 yns VHS Vectran HS				15.021	1	1	46.514	46.514	284.58
	NW Tape 35 0.2 150% 61°				15.321	1	1	3.932	3.932	288.51
	Serve 59 x 4 yns VHS Vectran HS				16.881	1	1	41.279	41.279	329.79
	NW Tape 35 0.2 150% 64°				17.181	1	1	4.4142	4.4142	334.21
2.2	Serve 38 x 13 yns VHS Vectran HS				19.992	1	1	85.832	85.832	420.04
	NW Tape 35 0.2 150% 68°				20.292	1	1	5.2205	5.2205	425.26
	Serve 52 x 8 yns VHS Vectran HS				22.357	1	1	72.33	72.33	497.59
	NW Tape 35 0.2 150% 70°				22.657	1	1	5.8334	5.8334	503.42
	Braid 24 x 1 x 3 yns VHS Vectran HS				24.016	1	1	16.239	16.239	519.66
	B.S. 756 kg Void A 34.879 mm²				24.016					519.66
2.3	LLDPE Sheath			1.9919	28	1	1	177.01	177.01	696.67
	Total Weight in Air		696.67 kg/km		467.28 lbs/kft					
	Total Weight In Sea		64.907 kg/km		43.535 lbs/kft					
	Specific Density		1.1314 SG							
	Break Strength		243.3 kN		54582 lbf					
	Working Load		38.766 kN		8696.8 lbf					
	Length		4000 m							
	Cable Wt		259.63 kg							
FISHBITE PROTECTION										
	Base Cable				28	1	1	696.67	696.67	696.67
	Screen Braid ss316 Void 77.387				30.25	1	1	204.39	204.39	901.06
	Wire Ø 0.50 mm Carriers 48 1236									901.06
	Lay 100 mm Ends 2									901.06
	Angle 42.46 ° Fill 0.36 58%				30.25					901.06
	LLDPE Sheath			2.125	34.5	1	1	270.04	270.04	1171.1
	Total Weight in Air		1171.1 kg/km		785.49 lbs/kft					
	Total Weight In Sea		211.98 kg/km		142.18 lbs/kft					
	Specific Density		1.2528 SG							