TECHNICAL SCHEDULES A & B FOR MV XLPE CABLES

SAP: 175763 CABLE 22kV 3C 185SQ. CU FUX3SCQ

Schedule A: Purchasers specific requirements
Schedule B: Guarantees and technical particulars of equipment offered

1	2	3		4	5
Item	**240-56063792**	**Description**		**Schedule A**	**Schedule B**
1		**Item and system description**			
		CABLE 22kV 3C 185SQ. CU FUX3SCQ			
1.1		SAP No		0175763	xxxxxxxxx
1.2		Buyers Guide Drawing		D-DT-8001	xxxxxxxxx
1.3		Symmetrical fault level rating	kA	xxxxxxxxx	xxxxxxxxx
1.4		Nominal system voltage	kV	22	xxxxxxxxx
1.5		Earth fault level rating	kA	xxxxxxxxx	xxxxxxxxx
2		**Ratings**			
2.1	3.1.1	Rated voltage (U_r)	kV	22	
	3.1.2	Conductor Size	mmsq	185	
2.3	3.1.2	Number of cores (1- Core or 3- Cores)		3	
	3.1.4.8	Screening of cables		Individually screened	
	3.1.4.2	Semiconducting core screen		Strippable	
	3.1.4.3	Core identification		Yes	
	3.1.4.4	Bedding under armouring		PVC Type B1	
	3.1.4.8	Armouring		SWA	
2.5	3.2.6i)	Rated frequency (f_r)	Hz	50	
2.7	3.1.4.8	Type of outer sheath		Black PE type S2	
	3.1.4.8	Does outer sheath sheath comply with the requirements specified in 3.1.4.8		Yes	
2.8	3.1.4.5	Is the PE PS2 outer sheath fire retardant?		Yes	
2.9	3.1.4.7	Does the cable meet the longitudinal water blocking requirements for conductor and cable?		Longitudinally water blocking	
	3.1.4.7	Method used to achieve water blocking requirements		xxxxxxxxx	
		Instruction provided for water blocking removal in conductor when jointing or termination (If applicable) ?		Yes / NA	
	3.2.1b)	Hole for woodern drums for a spindle if not 80mm (minimum).	mm	80mm (min)	
2.10	3.2.1c)	Drum length required as per 3.2.1	m	300	
2.11	3.2.2	Is the conductor marking system details supplied with tender?		Yes	
2.12	3.2.2	Does the conductor marking comply with the requirements of 3.2.2?		Yes	
2.14	3.2.2	What magnification factor is required to read font size for conductor marking characters?	Factor	xxxxxxxxx	
2.15	3.2.3	Is marking of cable identification system details submitted with tender?		Yes	
2.17		Does the cable marking system comply with the requirements of 3.2.3?		Yes	
2.19	3.2.3a)	Where is the cable identification system located (in which layer of the cable)?		xxxxxxxxx	
2.20	3.2.3c)	Does the cable identification system comply with the requirements as stated in 3.2.3c)	mm	Yes	
	3.2.4	Does the marking of cable outer sheath comply to 3.2.4?		xxxxxxxxx	
2.21	3.2.6	Is the catalogue with required information submitted?		Yes	
2.22	3.2.6	Does the catalogue have all the required information?		Yes	
2.23	3.3.1	Are copies of type tests reports submitted with tender documentation?		Yes	
		Are all applicable documents submitted i.e type test reports, test schedules, deviation schedule (if any), cable construction drawings, list of all type tested material used in the construction of the cable?		Yes	
3.24	3.3.1.2	Cable dimentional data drawing submitted?		Yes	
3.25	3.3.1.2	Maximum sustained current rating at 90deg Celcius conductor temperature installed in:	A		
		a) Ground?		xxxxxxxxx	
		b) Air?		xxxxxxxxx	
		c) Ducts?		xxxxxxxxx	
3.26	3.3.1.2	Maximum sustained current rating 70deg Celcius conductor temperature installe in:	A		
		a) Ground?		xxxxxxxxx	
		b) Air?		xxxxxxxxx	
		c) Ducts?		xxxxxxxxx	
3.27	3.3.1.3	Short circuit rating?	kA	xxxxxxxxx	
	3.2.6g)	Cable mass?	kg/m	xxxxxxxxx	
	3.2.6h)	Gross mass per standard drum length?	kg	xxxxxxxxx	
	3.2.6i)	Resistance at max conductor temperature?	°C	xxxxxxxxx	
	3.2.6j)	Reatance per phase?	Ω/m	xxxxxxxxx	
	3.2.6k)	Capacitance per phase?	nF/m	xxxxxxxxx	
	3.2.6l)	Zero sequence impedance and capacitance per phase?	Ω/m	xxxxxxxxx	
	3.2.6m)	Cable termal time constant?	Seconds	xxxxxxxxx	
	3.2.6 n)	A copy of the relevant SABS mark scheme permit submitted?		xxxxxxxxx	
3.28	3.3	Testing of cable is done in accordance with SANS 1339?		Yes	

SIGNATURES

Factory	Name (Print)	Sign	Date
Eskom	Name (Print)	Sign	Date