



رياست تداركات ملي

د تداركاتي پلانونو د تحليل، توحيد او انسجام آمریت

تعدیل شماره (۱) پروژه تهیه و تدارک تجهیزات کابل و لاین شبکه برق مورد ضرورت واحد های د افغانستان برشنا شرکت برای سال ۱۴۰۱

تاریخ: ۱۷/۱۱/۱۴۰۱

شماره داوطلبی پروژه: NPD/ DABS /1401/G-001/NCB/Rebid

جزئیات تعدیل

قسمت پنجم - (مشخصات تخنیکي)

مشخصات تخنیکي برای تجهیزات اصلاح لات کابل و لاین شبکه برق

Table: Technical Data for ABC Low Voltage Cables LV ABC 4 x 150 mm²

Description	Unit	Required	Offered
Manufacturer			
Rated Voltage	kV	0.6/1	
Phases and Neutral			
Material		Aluminum	
Cross section	mm ²	150	
Class		2	
Cross section shape		circular compacted	
Number of wires		≥15	
Diameter of wires	mm	To be Specified	
Diameter of conductor	mm	13.3	
Maximum conductor DC resistance at 20 °C	ohm/km	0.206	
Insulation Material		Black XLPE	
Insulation thickness	Mm	1.8	
Breaking load of single core, min.	KN	18.8	
Breaking load of complete cable, min.	KN	84.0	
Technical Characteristics			
Outer diameter of bundle (D)	mm	43.9	
Weight of conductor	kg/km	2020	
Minimum bending radius	mm	15 D	
Maximum lay of cores			
Current rating / ambient 40 °C	A	280	
Maximum conductor temperature/normal operation	°C	90	
Maximum conductor temperature/short circuit	°C	250	
Rated short circuit /phase	kA	8.5	
Length of conductor drum	m	To be specified	
Gross weight of loaded drum	kg	To be specified	
Standard		IEC 60502 NFA2X (VDE 0276 - 626 4F-1), AsXS (n) (PL WT92/K396), 1-AES (CSN 34761-4F) AS/NZS 3560.1	


وضعیت
فعلي



Technical Data for ABC low voltage cable LV ABC 4×150 mm²

Description	Unit	Technical specifications
Manufacturer		
Rated Voltage	KV	0.6/1
phases and Nutural		
Meterial		Aluminum
Cross section	mm	150
Class		2
Cross section shape		circular compacted
Number of wires		≥15
Diameter of wires	mm	To be Specified
Diameter of Conductor	mm	14.30
Maximum Conductor DC resistance at 20 C°	ohm/km	0.206
Insulation material		Black XLPE
Insulation thickness	mm	1.80
Breaking load of single cor , min.	KN	21.00
Breaking load of complete cable, min.	KN	75.6
<u>Technical Characteristics</u>		
Outer diameter of bundle	mm	43.90
Weight of cable	kg/km	2020
Minimum bending radius	mm	15 D
Current rating/ambient 40 C°	A	314
Maximum conductor temperature/ normal operation	C°	90
Maximum conductor temperature/short circuit	C°	250
Rated short circuit/Phase	KA	8.5
Length of conductor drum	m	To be Specified
Gross weight of loaded drum	kg	To be Specified
Standards ,		IEC 60502 NFA2X (VDE 0276 - 626 4F-1) AsXS (n) (PL WT92/K396), I-AES (CSN 34761-4F) AS/NZS 3560.1

وضعیت
تعدیل
شده

مهر و امضاء مسئول فنی: 

نوت: سایر بخش های شرطنامه بدون تغییر قابل تطبیق است.