

**5X800 MW YADADRI STPS**  
**ANNEXURE-I**  
**EPR Insulated Fire Survival Cable**

Ref. Enquiry No.: PE/PG/YAD/E-6941/2022 DATED 08.04.2022

SL NO	CABLE SIZE	APPLICABLE FORMULAE	REMARKS
A	<b>1.1 kV Stranded, Tinned annealed high conductivity, Class 2 Copper conductor Power cable, EPR insulated, HOFR Innersheath, GS round wire armour for multicore cable &amp; Aluminium round wire armour for single core cable, HOFR Outersheath generally conforming to IS:9968, Part-I &amp; BHEL specification.</b>		
A.1	2C-95 Sq. mm EPR-Cu (A) FS	$P=P_0+CuF(Cu-Cu_0)+CCFCu(PVCC-PVCC_0)+FeW(Fe-Fe_0)+AlF(Al-Al_0)$	AlF=0 for Multicore cable & FeW=0 for Single core cable.
A.2	3C-240 Sq. mm EPR-Cu (A) FS		
A.3	1C-400 Sq. mm EPR-Cu (A) FS		
B	<b>1.1 kV Stranded, Tinned annealed high conductivity, Class 2 Copper conductor Control cable, EPR insulated, HOFR Innersheath, GS round wire armour for multicore cable &amp; Aluminium round wire armour for single core cable, HOFR Outersheath generally conforming to IS:9968, Part-I &amp; BHEL specification.</b>		
B.1	3C-2.5 Sq. mm EPR-Cu (A) FS	$P=P_0+CuF(Cu-Cu_0)+CCFCu(PVCC-PVCC_0)+FeW(Fe-Fe_0)$	
B.2	5C-2.5 Sq. mm EPR-Cu (A) FS		