

## Cable designation

Cable type	HV / LV	Control	Instrumentation	Lighting & Receptacle
Applicable codes & Standards	KHNP E241, E242A AEIC C56 ASME QAP IEEE 323 IEEE 383 NRC Reg, Guide 1,131 NEMA WC70, WC74	KHNP E241, E243 ASME QAP IEEE 323 IEEE 383 NRC Reg, Guide 1,131 NEMA WC57	KHNP E241 ,E242B ASME QAP IEEE 323 IEEE 383 NRC Reg, Guide 1,131 NEMA WC57	KHNP E242A
Insulation	EPR High quality, ozone Heat, moisture, and resistant Radioactivity		XHHW (Cross Linked synthetic polymer)	
Jacket	CR-HD, CSP-HD Durable, moisture, radioactivity and flame retardant		N/A	
Operation and design conditions	1. Service life:40years+1years 2. Maximum continuous conductor temperature:90°C/ 194°C F 3. Emergency overload:130°C/266°C F 4. Short circuit:250°C/482°C F			

## High voltage Power cable(5kV, 15kV)

FR-EPR/CR, FR-EPR/CSP

### Construction

#### 1 Conductor

Tin-coated annealed strand copper conductor(class B)

#### 2 Conductor shield

Semiconducting layer or Semiconducting tape and Semiconducting layer

#### 3 Insulation

EPR

#### 4 Insulation shield

Semiconducting Layer or Semiconducting tape and Semiconducting layer

#### 5 Metallic shield

Tinned copper tape

#### 6 Jacket

Chlorosulphonated polyethylene(CSP)-Heavy duty  
Chloroprene(CR)-Heavy duty

