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1 INFORMATION ON ELECTRICAL CABLE DESIGNATION

- 1.1 The stipulated minimum threshold percentages for local production and content for the different types of electrical cables is **90%**.
- 1.2 To ensure that local production and content is discharged on manufacturing activities, the following must be included in bid invitations:

Table 1: Power Cables — cables used for power transmission

Cable Products	Stipulated minimum threshold local content
Low Voltage	90%
Low Cost Reticulation	90%
Medium & High Voltage	90%
ACR	90%

Table 2: Telecom Cables — cables used for telecommunications

Cable Products	Stipulated minimum threshold local content
Optical Fibre Cables	90%
Copper Telecom Cables	90%

- 1.3 Excluded in the designation is mainly copper, aluminium, polyvinyl chloride (PVC), cross-linked polyethylene (XLPE), aramid yarn, and optical fibre used for fabrication of cable products. This is to encourage local manufacturers to seek the best global competitive prices for primary materials hence the competitive imported materials used in the manufacture of cables will be deemed to have been sourced locally for the purposes of calculating local content.



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1.4 List of Specific Cables designated:

Category	Type
LOW VOLTAGE	Housewire, Flat Twin and Earth, Surface Cable, Rip Cord, Cab Tyre, Bells Cable, 1,5mm ² — 16mm ^a , 2-37 cores, Fire Retardant, Low Halogen and Low Smoke Zero Halogen (LSOH) Main Cable 25mm ² — 100mm ² 1-4 cores, Fire Retardant, Low Halogen and Low Smoke Zero Halogen (LSOH), Flexible Cables, Aerial Cables, ACSR, split Concentric & Aerial Bundled Conductor (ABC)
MEDIUM VOLTAGE	3,3kV — 22kV, 1-3 cores, Cross linked Polyethylene (XLPE) and Paper Insulated Lead Covered (PILC), Fire Retardant, Low Halogen and Low Smoke Zero Halogen (LSOH)
HIGH VOLTAGE	132kV, Single Core, Corrugated Seamless Aluminium (CSA) Sheathed

NOTE: The local industry manufactures a vast range of engineered telecommunication, Industrial and Instrumentation copper and fibre optic cables, which are not limited to:

Category	Type
COPPER TELECOMMUNICATION CABLES	Standard and high frequency (ADSL) outside plant copper pair telecoms cables (10pair up to 240 pair), Indoor, PABX and high frequency (DSLAM) copper pair telecoms cables up to 200pair, Category 5e and Category 6 copper data cables.
COPPER INDUSTRIAL CABLES	Railway signalling copper cables, Electrical signalling copper cables, Steel wire armoured copper telecoms cables, UVG copper control cables for electrical utilities, Fire Alarm and control copper cables
COPPER INSTRUMENTATION CABLES	Thermocouple extension wire, Tray and direct buried instrumentation and control copper cables compliant to SABS, UL and BS standards accreditation.
FIBRE OPTIC TELECOMMUNICATION CABLES	Outside plant duct fibre optic cables up to 288 Fibre count, Aerial (short span, medium span and long span) self-support fibre optic cables up to 144 fibre count applications up to 144 fibre count.
FIBRE OPTIC INDUSTRIAL CABLES	Metallic armoured instrumentation and control fibre optic cables, Steel wire armoured mineshaft fibre optic cables, Field deployable high durability fibre optic cables, Composite (fibre optic and copper core) cables.

1.5 For further information, bidders and procuring state organs may contact the Director Electrotechnical Unit within **the dtic** at telephone 012 394 3659/3622 or email localcontent@thedti.gov.za