

FLEXIBLE POWER CABLES FOR COAL MINES

From 1.8kV up to 11kV Acc. DIN/VDE



TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 200°C
- Permanent Tensile Force: 15 N/mm²
- Production Standard: DIN/VDE 0250-813

CONSTRUCTION

Conductor: Electrolytic stranded tinned Class 5 copper wire
DIN VDE 0295

Separator: Separating tape over phase and pilot conductors

Insulation: Phase cores are insulated with 3Gl3 compound
(acc. to DIN VDE 0207 part 20). Earth cores are not insulated

Separator: Coloured Textile tape for core identification
(except for earth conductors)

Screen: Tinned copper/ Nylon braided screen over phase
cores. Pilot core is not screened

Layup: All cores are laid up in contact with each other and
interstitial ground conductors and pilot core

Bedding: Special elastomeric compound GM1 b (acc. to DIN
VDE 0207 Teil 21)

Screen: Semi conductive tape and tinned copper wire braided
overall screen

Separator: Textile type

Outer Sheath: Heavy duty elastomer outer sheath 5GM5
(acc. to DIN VDE 0207 Teil 21)

CODE of CABLE

- ARMAFLEX

NOTE: These cables should not be installed at temperatures below -40°C or above 80°C

INTRODUCTION

Used in dry, damp and wet places, externally, in where heavy mechanical effects exist, in mines, in lift and transfer rolled trolley systems and similar machines as trailing and feeding cables

SECTION RANGE

- From 25mm² up to 185mm²

CONDUCTOR QUANTITY

- Three individually screened phase cores, one pilot core and two bare earth conductors in the intersections laid up together. Contains an overall screen made of semi conductive tape and tinned copper wire braid.

COLOUR CODE of CABLE

- Insulation Colour code could be according to the International Standards or customer's request/demand.