Mine Safe Feeder Cable

Conductors (3)
Flexible tinned copper

Insulation Screen
Semiconductive elastomer

Copper Shield

Insulation
Ethylene-propylene rubber (EPR)
R-EP-90

Sheath
Reinforced mould cured heavy duty thermosetting elastomer sheath

Cable identification via permanent marking

Assembly
Three power cores and three pilot cores assembled around an elastomer center filler

Pilot Cores (3)
EPR/CPE covered extensible tinned copper

Standard cable sheath is black/red.

Pb

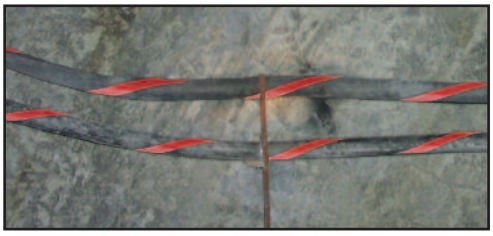
All materials in AmerCable Australia's mining cables are lead free.

Summary

- More flexible than Type "A" feeder cables
- Lighter weight
- Super Tough HD CPE Sheaths
- A uniquely identifiable outer sheath with a RED CPE stripe helically applied and bonded into the HD Black CPE jacket
- Better earthing protection in phase-to-phase fault and phase-to-earth fault situations than with 241
- The superior earthing comes from a combination of state-of-the-art semiconducting materials and a braided earth shield
- Tinned copper shields provide mechanical coverage and minimise any possible shield wire voids. Shield wire integrity is enhanced by interwinding colour coded nylon braid

Safety First

- OH&S conscience cable: Lighter, smaller, more flexible and uniquely identifiable



Type A (1.1kV)

Part No. 35-022-	Power Conductor				Pilot Cores (Type A Feeder Cables Only)		Sheath Thickness Including Semi-Conductive Core Screen (mm)	Nominal Overall Diameter (mm)	Approx. Mass (kg/100m)
	Nominal Area (mm^2)	Strand Size (#/mm)	Insulation Thickness (mm)	Nominal Diameter Over Insulation (mm)	Strand Size (min#/mm)	Semi-Conductive Covering Thickness (mm)			
016	16	133/0.40	1.4	9.1	19/0.47	0.8	2.5	27.3	149
025	25	259/0.36	1.4	10.4	19/0.47	1.0	2.5	30.2	193
035	35	285/ 0.40	1.5	11.7	19/0.47	1.0	2.5	33.0	220
050	50	399/0.40	1.7	13.7	37/0.42	1.0	3.0	39.8	328
070	70	342/0.51	1.8	15.8	37/0.42	1.0	3.3	44.9	421
095	95	456/0.51	2.0	18.1	37/0.42	1.0	3.8	50.8	548
120	120	627/0.51	2.2	20.9	37/0.42	1.0	3.8	60.5	740
150	150	777/0.51	2.3	22.9	37/0.42	1.0	4.4	62.6	840
185	185	925/0.51	2.5	24.9	37/0.42	1.0	5.1	73.4	1041
240	240	1221/0.51	2.7	28.4	37/0.42	1.0	5.7	78.8	1326