TIGER® BRAND

MINING CABLES

25-35kV TYPE SHD-GC & MP-GC

Nexans

AmerCable

36-525

TYPE SHD-GC 3/C
MOLD-CURED CPE JACKET • 25000 VOLTS
100% INSULATION LEVEL

Conductors
Flexible tinned copper

Ground Check Conductor
Flexible tinned copper with yellow polypropylene insulation

Strand Shield
Extruded semi-conducting layer

Ground Wires
Flexible tinned copper

Insulation Shielding
Semi-conducting rubber and semi-conductive tape

Insulation Shielding
Tinned copper and color coded nylon braid

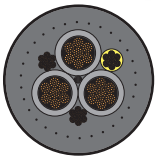
Insulation
90°C ethylene-propylene rubber (EPR)

Assembly
Taped core

Jacket[1]
Reinforced mold-cured thermosetting Chlorinated Polyethylene (CPE) Jacket. Cable identification via permanent marking.

See Page 13 for jacket color options.

Also available with Extra-Tough Thermoplastic Polyurethane (TPU) jacket for extremely abrasive environments! *See page 3.*



Round-shaped cross-section

See Page 14 for Tiger Stripe options

APPLICATION

Heavy duty high voltage portable power cable for use in circuits not exceeding the rated voltage. These cables are used for heavy mobile equipment such as drag lines, shovels, dredges, and for power feeders. Recommended maximum continuous conductor temperature in 90°C. Suitable for shallow water submersion.

Cable carries "LR 82346" marking indicating approval to the Canadian Standards Association specification for Portable Power Cables C22.2 No. 96-17.

Tiger® Brand Mining Cable meets or exceeds ICEA Standards S-75-381/NEMA WC-58, ASTM B-172 and B-33.

RATINGS & APPROVALS

- Canadian Standards Association C22.2 No. 96. File 82346, FT1, FT5, -50°C. CSA Phase Color ID available on Type SHD-GC, SHD-BGC up to 35kV. SHD-GC meets FT4 requirement.
- Mine Safety & Health Administration 184-MSHA.
- Pennsylvania Department of Environmental Protection P-184.
- Insulated Cable Engineers Association S-75-381/ NEMA WC-58. Design standard for mining cables.

36-525 • TYPE SHD-GC 3/C • CPE JACKET • 25000 VOLTS • 100% INSULATION LEVEL

36-525-	Power Conductors			Grounding Conductors		Jacket Thickness mm	Ground Check Conductor Size AWG*	Nominal Outside Dimensions mm	Approx. Weight kg/km	Ampacity * 30°C Ambient Temp
	Size AWG*	No. of Wires per Conductor	Insulation Thickness mm	Size AWG	Minimum No. of Wires per Conductor					
001CSA	1	259	6.60	6	133	6.62	8	75.00	7013	210
010CSA	1/0	266	6.60	5	133	6.62	8	77.00	7562	240
020CSA	2/0	323	6.60	4	259	6.90	8	81.00	8397	274
030CSA	3/0	418	6.60	3	259	6.90	8	84.00	9528	315
040CSA	4/0	532	6.60	2	259	7.49	8	89.00	11016	360
250CSA	250	627	6.60	1	259	7.49	8	90.70	11897	396
350CSA	350	888	6.60	1/0	266	7.49	8	97.30	14534	482
500CSA	500	1221	6.60	3/0	418	7.87	8	108.00	18549	590

* Larger GC conductor sizes available upon request.

133% insulation level available on request

[1] Jacket – CPE jacket. Black CPE is standard. Colored CPE available upon request. See page 13 for color options.

* Ampacity – Based on continuous duty at 90°C conductor temperature.

Tolerances – +8%/-5% of nominal outside diameter

AWG/Metric Cross Reference

AWG/ kcmil Size	Area of AWG/kcmil in mm²	Nearest Standard Metric Cond. mm²
22	0.35	0.50
20	0.52	0.50
18	0.82	1.00
16	1.31	1.50
14	2.08	2.50
12	3.31	4
10	5.26	6
8	8.37	10
6	13.30	16
4	21.15	25
2	33.62	35
1	42.41	50
1/0	53.49	50
2/0	67.43	70
3/0	85.01	95
4/0	107.2	120
250	126.7	120
300	152.0	150
350	177.3	185
400	202.7	240
500	253.4	240
600	304.0	300
750	380.0	400
800	405.4	400
1000	506.7	500

36-526

TYPE SHD-GC 3/C
TPU JACKET • 25000 VOLTS
100% INSULATION LEVEL

Conductors
Flexible tinned copper

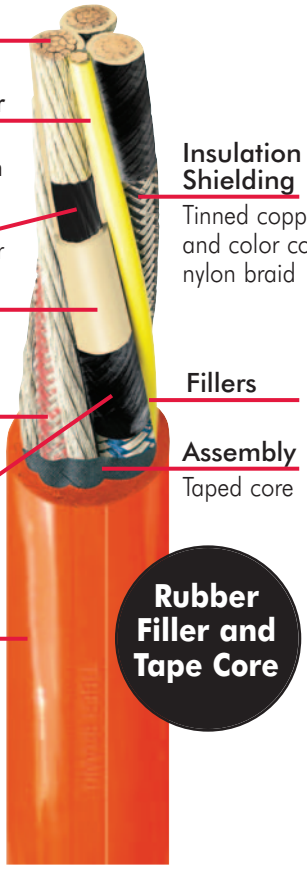
Ground Check Conductor
Flexible tinned copper with yellow polypropylene insulation

Strand Shield
Extruded semi-conducting layer

Insulation
90°C ethylene-propylene rubber (EPR)

Ground Wires
Flexible tinned copper

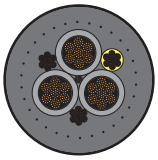
Insulation Shielding
Semi-conducting rubber and semi-conductive tape



Jacket[1]
Thermoplastic Polyurethane (TPU) Jacket.
Cable identification via permanent marking.

Black jacket standard.
See Page 13 for jacket color options.

Also available with mold-cured thermosetting Chlorinated Polyethylene (CPE) jacket.
*See page **1**.*


Round-shaped cross-section

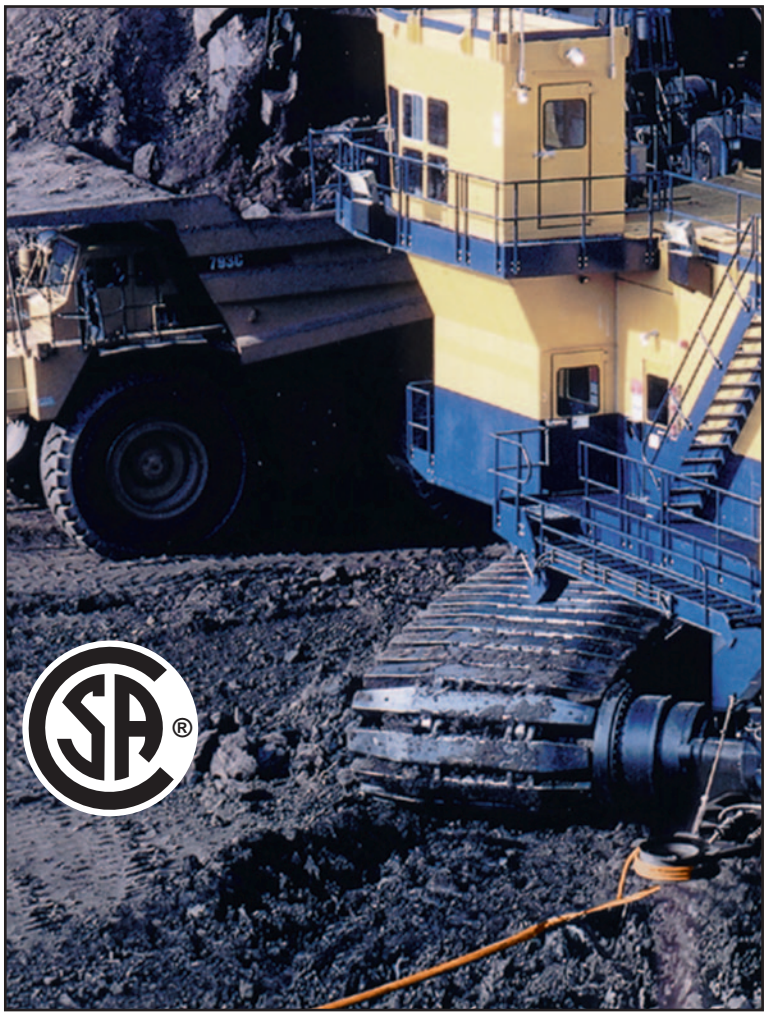
Application Note:
TPU may not be appropriate for non-mining applications.

APPLICATION

Heavy duty high voltage portable power cable for use in circuits not exceeding the rated voltage. These cables are used for heavy mobile equipment such as drag lines, shovels, dredges, and for power feeders.Recommended maximum continuous conductor temperature in 90°C. Suitable for shallow water submersion.

Cable carries "LR 82346" marking indicating approval to the Canadian Standards Association specification for Portable Power Cables C22.2 No. 96-17.

Tiger® Brand Mining Cable meets or exceeds ICEA Standards S-75-381/NEMA WC-58, ASTM B-172 and B-33.



RATINGS & APPROVALS

- Canadian Standards Association C22.2 No. 96. File 82346, FT1, FT5, -50°C. CSA Phase Color ID available on Type SHD-GC, SHD-BGC up to 35kV.
- Mine Safety & Health Administration 184-MSHA.
- Pennsylvania Department of Environmental Protection P-184.
- Insulated Cable Engineers Association S-75 381/ NEMA WC-58. Design standard for mining cables.

Manufactured by Nexans AmerCable • (870) 862-4919 • (800) 643-1516 • Fax (870) 862-9613

36-526 • TYPE SHD-GC 3/C • TPU JACKET • 25000 VOLTS • 100% INSULATION LEVEL

36-526-	Power Conductors			Grounding Conductors		Jacket Thickness mm	Ground Check Conductor Size AWG*	Nominal Outside Dimensions mm	Approx. Weight kg/km	Ampacity* 30°C Ambient Temp
	Size AWG*	No. of Wires per Conductor	Insulation Thickness mm	Size AWG	Minimum No. of Wires per Conductor					
001CSA	1	259	6.60	6	133	3.97	8	69.70	5798	210
010CSA	1/0	266	6.60	5	133	3.97	8	71.70	6225	240
020CSA	2/0	323	6.60	4	259	4.14	8	75.50	6879	274
030CSA	3/0	418	6.60	3	259	4.14	8	78.50	7973	315
040CSA	4/0	532	6.60	2	259	4.49	8	83.00	9230	360
250CSA	250	627	6.60	1	259	4.49	8	84.70	9751	396
350CSA	350	888	6.60	1/0	266	4.49	8	91.30	12748	482
500CSA	500	1221	6.60	3/0	418	4.72	8	101.70	16355	590

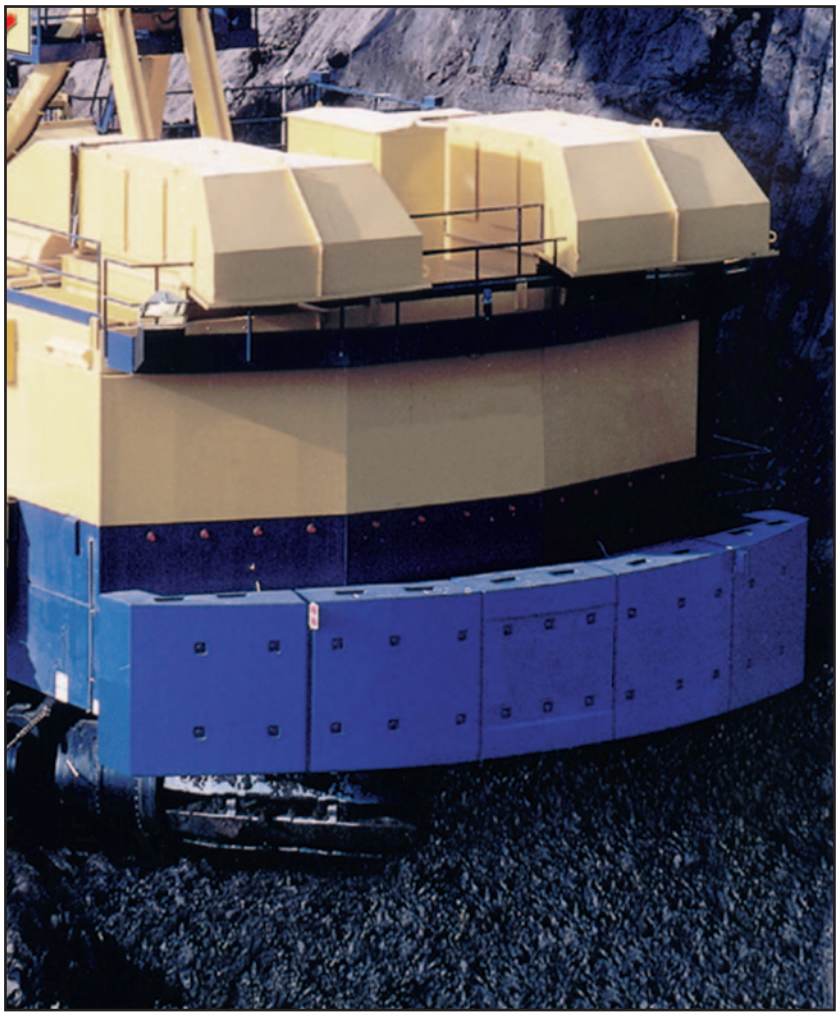
* Larger GC conductor sizes available upon request.

133% insulation level available on request

[1] Jacket – TPU jacket. Black TPU is standard. Colored TPU available upon request. See page 13 for color options.

* Ampacity – Based on continuous duty at 90°C conductor temperature.

Tolerances – +8%/-5% of nominal outside diameter



AWG/Metric Cross Reference

AWG/ kcmil Size	Area of AWG/kcmil in mm^2	Nearest Standard Metric Cond. mm^2
22	0.35	0.50
20	0.52	0.50
18	0.82	1.00
16	1.31	1.50
14	2.08	2.50
12	3.31	4
10	5.26	6
8	8.37	10
6	13.30	16
4	21.15	25
2	33.62	35
1	42.41	50
1/0	53.49	50
2/0	67.43	70
3/0	85.01	95
4/0	107.2	120
250	126.7	120
300	152.0	150
350	177.3	185
400	202.7	240
500	253.4	240
600	304.0	300
750	380.0	400
800	405.4	400
1000	506.7	500

36-535

TYPE SHD-GC 3/C
MOLD-CURED CPE JACKET • 35000 VOLTS
100% INSULATION LEVEL

Conductors
Flexible tinned copper

Ground Check Conductor
Flexible tinned copper with yellow polypropylene insulation

Strand Shield
Extruded semi-conducting layer

Ground Wires
Flexible tinned copper

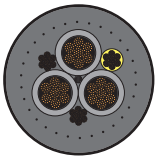
Insulation Shielding
Semi-conducting rubber and semi-conductive tape

Jacket[1]
Reinforced mold-cured thermosetting Chlorinated Polyethylene (CPE) Jacket. Cable identification via permanent marking.

Insulation Shielding
Tinned copper and color coded nylon braid

Insulation
90°C ethylene-propylene rubber (EPR)

Assembly
Taped core



Round-shaped cross-section

See Page 13 for jacket color options.

Also available with Extra-Tough Thermoplastic Polyurethane (TPU) jacket for extremely abrasive environments! *See page* ***7.***

See Page 14 for Tiger Stripe options

APPLICATION

Heavy duty high voltage portable power cable for use in circuits not exceeding the rated voltage. These cables are used for heavy mobile equipment such as drag lines, shovels, dredges, and for power feeders. Recommended maximum continuous conductor temperature in 90°C. Suitable for shallow water submersion.

Cable carries "LR 82346" marking indicating approval to the Canadian Standards Association specification for Portable Power Cables C22.2 No. 96-17.

Tiger® Brand mining cables meet or exceed ASTM B-172 and B-33.

RATINGS & APPROVALS

- Canadian Standards Association C22.2 No. 96. File 82346, FT1, FT5, -50°C. CSA Phase Color ID available on Type SHD-GC, SHD-BGC up to 35kV. SHD-GC meets FT4 requirement.
- Mine Safety & Health Administration 184-MSHA.
- Pennsylvania Department of Environmental Protection P-184.
- Insulated Cable Engineers Association S-75-381/ NEMA WC-58. Design standard for mining cables.

Manufactured by Nexans AmerCable • (870) 862-4919 • (800) 643-1516 • Fax (870) 862-9613

36-535 • TYPE SHD-GC 3/C • CPE JACKET • 35000 VOLTS • 100% INSULATION LEVEL

36-535-	Size AWG	Power Conductors		Grounding Conductors		Jacket Thickness mm	Ground Check Conductor Size AWG*	Nominal Outside Dimensions mm	Approx. Weight kg/km	Ampacity* 30°C Ambient Temp
		No. of Wires per Conductor	Insulation Thickness mm	Size AWG	Minimum No. of Wires per Conductor					
001CSA	1	259	8.76	6	133	7.11	8	85.30	8639	211
010CSA	1/0	266	8.76	5	133	7.11	8	87.30	9296	241
020CSA	2/0	323	8.76	4	259	7.49	8	91.50	10490	275
030CSA	3/0	418	8.76	3	259	7.49	8	94.50	11518	316
040CSA	4/0	532	8.76	2	259	7.49	8	98.30	12770	361
250CSA	250	627	8.76	1	259	7.49	8	100.00	13917	397
350CSA	350	888	8.76	1/0	266	7.87	8	107.40	16565	483

* Larger GC conductor sizes available upon request.

133% insulation level available on request

[1] Jacket – CPE jacket. Black CPE is standard. Colored CPE available upon request. See page 13 for color options.

* Ampacity – Based on continuous duty at 90°C conductor temperature.

Tolerances – +8%/-5% of nominal outside diameter

AWG/Metric Cross Reference

AWG/ kcmil Size	Area of AWG/kcmil in mm²	Nearest Standard Metric Cond. mm²
22	0.35	0.50
20	0.52	0.50
18	0.82	1.00
16	1.31	1.50
14	2.08	2.50
12	3.31	4
10	5.26	6
8	8.37	10
6	13.30	16
4	21.15	25
2	33.62	35
1	42.41	50
1/0	53.49	50
2/0	67.43	70
3/0	85.01	95
4/0	107.2	120
250	126.7	120
300	152.0	150
350	177.3	185
400	202.7	240
500	253.4	240
600	304.0	300
750	380.0	400
800	405.4	400
1000	506.7	500

36-536

TYPE SHD-GC 3/C
TPU JACKET • 35000 VOLTS
100% INSULATION LEVEL

Conductors
Flexible tinned copper

Ground Check Conductor
Flexible tinned copper with yellow polypropylene insulation

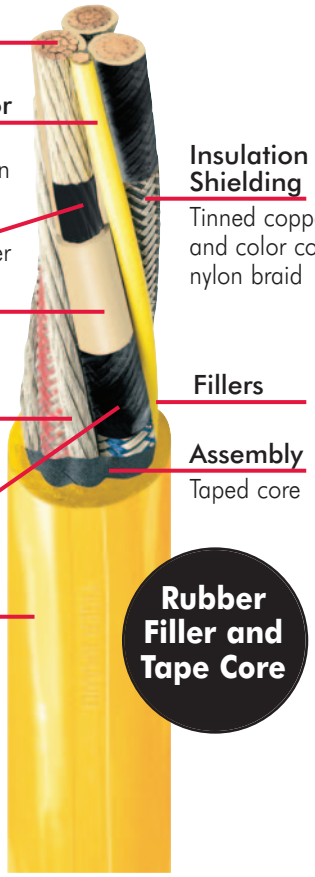
Strand Shield
Extruded semi-conducting layer

Insulation
90°C ethylene-propylene rubber (EPR)

Ground Wires
Flexible tinned copper

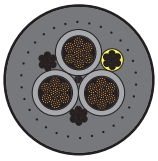
Insulation Shielding
Semi-conducting rubber and semi-conductive tape

Jacket[1]
Thermoplastic Polyurethane (TPU) Jacket.
Cable identification via permanent marking.



Black jacket standard.
See Page 13 for jacket color options.

Also available with mold-cured thermosetting Chlorinated Polyethylene (CPE) jacket.
See page 5.


Round-shaped cross-section

Application Note:
TPU may not be appropriate for non-mining applications.

APPLICATION

Heavy duty high voltage portable power cable for use in circuits not exceeding the rated voltage. These cables are used for heavy mobile equipment such as drag lines, shovels, dredges, and for power feeders.Recommended maximum continuous conductor temperature in 90°C. Suitable for shallow water submersion.

Cable carries "LR 82346" marking indicating approval to the Canadian Standards Association specification for Portable Power Cables C22.2 No. 96-17.

Tiger® Brand mining cables meet or exceed ASTM B-172 and B-33.

RATINGS & APPROVALS

- Canadian Standards Association C22.2 No. 96. File 82346, FT1, FT5, -50°C. CSA Phase Color ID available on Type SHD-GC, SHD-BGC up to 35kV.

36-536 • TYPE SHD-GC 3/C • TPU JACKET • 35000 VOLTS • 100% INSULATION LEVEL

36-536-	Size AWG	Power Conductors		Grounding Conductors		Jacket Thickness mm	Ground Check Conductor Size AWG*	Nominal Outside Dimensions mm	Approx. Weight kg/km	Ampacity* 30°C Ambient Temp
		No. of Wires per Conductor	Insulation Thickness mm	Size AWG	Minimum No. of Wires per Conductor					
001CSA	1	259	8.76	6	133	4.27	8	79.60	7147	211
010CSA	1/0	266	8.76	5	133	4.49	8	82.10	7832	241
020CSA	2/0	323	8.76	4	259	4.49	8	85.50	8700	275
030CSA	3/0	418	8.76	3	259	4.49	8	88.50	9635	316
040CSA	4/0	532	8.76	2	259	4.49	8	92.30	10811	361
250CSA	250	627	8.76	1	259	4.49	8	94.00	11735	397
350CSA	350	888	8.76	1/0	266	4.72	8	101.10	14256	483

* Larger GC conductor sizes available upon request.

133% insulation level available on request

[1] Jacket – TPU jacket. Black TPU is standard. Colored TPU available upon request. See page 13 for color options.

* Ampacity – Based on continuous duty at 90°C conductor temperature.

Tolerances – +8%/-5% of nominal outside diameter

AWG/Metric Cross Reference

AWG/ kcmil Size	Area of AWG/kcmil in mm^2	Nearest Standard Metric Cond. mm^2
22	0.35	0.50
20	0.52	0.50
18	0.82	1.00
16	1.31	1.50
14	2.08	2.50
12	3.31	4
10	5.26	6
8	8.37	10
6	13.30	16
4	21.15	25
2	33.62	35
1	42.41	50
1/0	53.49	50
2/0	67.43	70
3/0	85.01	95
4/0	107.2	120
250	126.7	120
300	152.0	150
350	177.3	185
400	202.7	240
500	253.4	240
600	304.0	300
750	380.0	400
800	405.4	400
1000	506.7	500

36-605/606

TYPE MP-GC 3/C

MINE POWER FEEDER • MOLD-CURED CPE JACKET
25000-35000 VOLTS • 100% LEVEL* (GROUNDED)

Conductors
Copper

Ground Check Conductor
8 AWG 7-wire copper with yellow polypropylene insulation

Strand Shield
Semi-conducting layer

Insulation
90°C ethylene-propylene rubber (EPR)

Ground Wires
Tinned copper

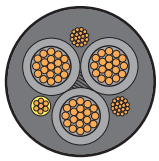
Available with two grounds and ground check or three ground configuration per CSA.

Insulation Shielding
Semi-conducting layer under copper tape (phase identification provided)

Assembly
Taped core

Jacket[1]
Mold-cured thermosetting Chlorinated Polyethylene (CPE) Jacket.
Cable identification via permanent marking.

See Page 13 for jacket color options.



APPLICATION

Connections between units of mine distribution systems not exceeding the rated voltage when installed in duct, conduit or open air and for direct burial in wet and dry locations. Recommended maximum continuous conductor temperature is 90°C.

Cable carries CSA "LR 82346" and MSHA "P-7K-184096" (for black jacket).

Tiger® Brand Mining Cable meets or exceeds ICEA Standards S-75-381/NEMA WC-58, up to 25kV, and ASTM B-8 and B-33.

*133% insulation level available on request

Cable may be suspended vertically by using a messenger and special mechanical connectors.

RATINGS & APPROVALS

- Canadian Standards Association C22.2 #96.1, File LR82346, FT5, -35°C
  Type MP-GC, MPF up to 35kV.
- Mine Safety & Health Administration up to 35kV.
- Pennsylvania Department of Environmental Protection.
- Insulated Cable Engineers Association S-75-381 up to 25kV.

Manufactured by Nexans AmerCable • (870) 862-4919 • (800) 643-1516 • Fax (870) 862-9613

25000 VOLTS • 36-605 • TYPE MP-GC 3/C • EP-CPE JACKET • 100% INSULATION LEVEL

36-605-	Power Conductors			Grounding Conductors		Jacket Thickness mm	Ground Check Conductor Size AWG[2]	Nominal Outside Dimensions mm	Approx. Weight kg's per km	Ampacity* 30°C Ambient Temp
	Size AWG	Minimum No. of Wires per Conductor	Insulation Thickness mm	Size AWG	Minimum No. of Wires per Conductor					
001CSA	1	18	6.60	5	7	3.6	8	61.5	5302	210
010CSA	1/0	18	6.60	4	7	3.6	8	63.7	5918	240
020CSA	2/0	18	6.60	3	7	4.3	8	66.1	6688	274
030CSA	3/0	18	6.60	2	7	4.3	8	68.9	7704	315
040CSA	4/0	18	6.60	1	19	4.3	8	73.5	8881	360
250CSA	250	35	6.60	1/0	19	4.3	8	76.0	9814	396
350CSA	350	35	6.60	2/0	19	4.3	8	81.7	12262	482
500CSA	500	35	6.60	3/0	19	4.3	8	88.8	15369	590

[1] **Jacket** – CPE jacket. Black is standard. Colored CPE jackets available upon request. See page 13.

***Ampacity** – Based on continuous duty at 90°C conductor temperature.

Tolerances – + 8%/-5% of nominal outside diameter

[2] Larger GC conductor sizes available upon request.

35000 VOLTS • 36-606 • TYPE MP-GC 3/C • EP-CPE JACKET • 100% INSULATION LEVEL

36-606-	Size AWG	Power Conductors		Grounding Conductors		Jacket Thickness mm	Ground Check Conductor Size AWG[2]	Nominal Outside Dimensions mm	Approx. Weight kg's per km	Ampacity* 30°C Ambient Temp
		Minimum No. of Wires per Conductor	Insulation Thickness mm	Size AWG	Minimum No. of Wires per Conductor					
010CSA	1/0	18	8.76	4	7	4.3	8	73.4	7452	240
020CSA	2/0	18	8.76	3	7	4.3	8	76.3	8256	274
030CSA	3/0	18	8.76	2	7	4.3	8	78.9	9223	315
040CSA	4/0	18	8.76	1	19	4.3	8	81.9	10312	360
250CSA	250	35	8.76	1/0	19	4.3	8	84.7	11289	396
350CSA	350	35	8.76	2/0	19	5.1	8	91.8	14173	482
500CSA	500	35	8.76	3/0	19	5.1	8	98.9	17818	590

[1] **Jacket** – CPE jacket. Black is standard. Colored CPE jackets available upon request. See page 13.

***Ampacity** – Based on continuous duty at 90°C conductor temperature.

Tolerances – + 8%/-5% of nominal outside diameter

[2] Larger GC conductor sizes available upon request.

36-625/615/616

TYPE MP-GC 3/C

MINE POWER FEEDER • 100% LEVEL* (GROUNDED)
25000 VOLTS - XLP INSULATION / PVC JACKET
35000 VOLTS - EPR INSULATION / PVC JACKET

Conductors
Copper

Ground Check Conductor
8 AWG 7-wire copper with yellow polypropylene insulation

Strand Shield
Semi-conducting layer

Insulation
90°C cross-linked polyethylene to 25000 V.
90°C ethylene propylene rubber (EPR) to 35000 V.

Fillers

Binder Tape

Jacket[1]
Polyvinyl chloride (PVC), cable identification via permanent surface marking.

Standard jacket is black. PVC jacket color options are the same as CPE. See Page 13.

Ground Wires
Tinned Copper

Available with two grounds and ground check or three ground configuration per CSA.

Insulation Shielding
Semi-conducting layer under copper tape (phase identification provided)

Assembly
Taped core

APPLICATION

Connections between units of mine distribution systems not exceeding the rated voltage when installed in duct, conduit or open air. For direct burial in wet and dry locations. Recommended maximum continuous conductor temperature is 90°C.

Cable carries CSA "LR 82346" and MSHA "P-07-KA13008" markings.

Tiger® Brand Mining Cable meets or exceeds ICEA Standards S-75-381/NEMA WC-58, up to 25kV, and ASTM B-8 and B-33.

***133% insulation level available on request**

RATINGS & APPROVALS

- Canadian Standards Association C22.2 #96.1, File LR 82346
  XLP-PVC Jacket - FT5, -35°C
  EPR-PVC Jacket - FT4, FT5 -35°C
  Type MP-GC, MPF up to 35kV.
- Mine Safety & Health Administration up to 25kV.
- Pennsylvania Department of Environmental Protection.
- Insulated Cable Engineers Association S-75-381 up to 25kV.

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25000 VOLTS • 36-625 • XLP-PVC JACKET • TYPE MP-GC 3/C • 100% LEVEL (GROUNDED)

36-625-	Power Conductors			Grounding Conductors		Jacket Thickness mm	Ground Check Conductor Size AWG	Nominal Outside Dimensions mm	Approx. Weight kg's per km	Ampacity* 30°C Ambient Temp
	Size AWG	Minimum No. of Wires per Conductor	Insulation Thickness mm	Size AWG	Minimum No. of Wires per Conductor					
001CSA	1	18	6.60	5	7	3.6	8	61.5	4586	210
010CSA	1/0	18	6.60	4	7	3.6	8	63.7	4853	240
020CSA	2/0	18	6.60	3	7	4.3	8	66.1	5744	274
030CSA	3/0	18	6.60	2	7	4.3	8	68.9	6674	315
040CSA	4/0	18	6.60	1	19	4.3	8	73.5	7760	360
250CSA	250	35	6.60	1/0	19	4.3	8	76.0	8438	396
350CSA	350	35	6.60	2/0	19	4.3	8	81.7	10893	482
500CSA	500	35	6.60	3/0	19	4.3	8	88.8	13642	590

[1] **Jacket** – PVC jacket. Black is standard. Colored PVC jackets available upon request.

***Ampacity** – Based on continuous duty at 90°C conductor temperature.

Tolerances – + 8%/-5% of nominal outside diameter

25000 VOLTS • 36-615 • EP-PVC JACKET • TYPE MP-GC 3/C • 100% LEVEL (GROUNDED)

36-615-	Power Conductors			Grounding Conductors		Jacket Thickness mm	Ground Check Conductor Size AWG	Nominal Outside Dimensions mm	Approx. Weight kg's per km	Ampacity* 30°C Ambient Temp
	Size AWG	Minimum No. of Wires per Conductor	Insulation Thickness mm	Size AWG	Minimum No. of Wires per Conductor					
001CSA	1	18	6.60	5	7	3.6	8	61.5	4673	210
010CSA	1/0	18	6.60	4	7	3.6	8	63.7	5256	240
020CSA	2/0	18	6.60	3	7	4.3	8	66.1	6025	274
030CSA	3/0	18	6.60	2	7	4.3	8	68.9	6894	315
040CSA	4/0	18	6.60	1	19	4.3	8	73.5	8026	360
250CSA	250	35	6.60	1/0	19	4.3	8	76.0	8925	396
350CSA	350	35	6.60	2/0	19	4.3	8	81.7	11315	482
500CSA	500	35	6.60	3/0	19	4.3	8	88.8	14055	590

[1] **Jacket** – PVC jacket. Black is standard. Colored PVC jackets available upon request.

***Ampacity** – Based on continuous duty at 90°C conductor temperature.

Tolerances – + 8%/-5% of nominal outside diameter

35000 VOLTS • 36-616 • EP-PVC JACKET • TYPE MP-GC 3/C • 100% LEVEL (GROUNDED)

36-616-	Power Conductors			Grounding Conductors		Jacket Thickness mm	Ground Check Conductor Size AWG	Nominal Outside Dimensions mm	Approx. Weight kg's per km	Ampacity* 30°C Ambient Temp
	Size AWG	Minimum No. of Wires per Conductor	Insulation Thickness mm	Size AWG	Minimum No. of Wires per Conductor					
010CSA	1/0	18	8.76	4	7	4.3	8	73.4	6486	240
020CSA	2/0	18	8.76	3	7	4.3	8	76.3	7221	274
030CSA	3/0	18	8.76	2	7	4.3	8	78.9	8077	315
040CSA	4/0	18	8.76	1	19	4.3	8	81.9	9196	360
250CSA	250	18	8.76	1/0	19	4.3	8	84.7	10107	396
350CSA	350	18	8.76	2/0	19	5.1	8	91.8	12785	482
500CSA	500	18	8.76	3/0	19	5.1	8	98.9	15976	590

[1] **Jacket** – PVC jacket. Black is standard. Colored PVC jackets available upon request.

***Ampacity** – Based on continuous duty at 90°C conductor temperature.

Tolerances – + 8%/-5% of nominal outside diameter

JACKET MATERIALS & COLOR OPTIONS

Nexans AmerCable CPE Jackets

Nexans AmerCable's thermoset Chlorinated Polyethylene jacket provides the physical performance and strength needed to resist wear, tear, abrasion and compression cuts caused by everyday mining use.

This tough, durable jacket is a proven performer in mines throughout the world. Nexans AmerCable's engineered cable construction includes a taped-core, integral fill and tandem extrusion of the jacket layers. Two-pass jackets, extruded in tandem, yield an inseparable bond between the layers. Integral filling of the cable core reduces torsion-induced damage.

Nexans AmerCable TPU Jackets

For extremely abrasive environments, AmerCable's Thermoplastic Polyurethane (TPU) jacket provides the **extra-tough** physical characteristics needed in the roughest mining environments.

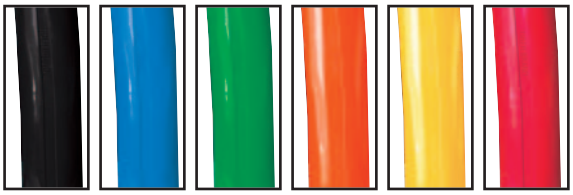
Compared to Nexans AmerCable's standard CPE jacketing material, TPU provides:

- 5X more abrasion resistance
- 2X more tear resistance
- 2X more tensile strength

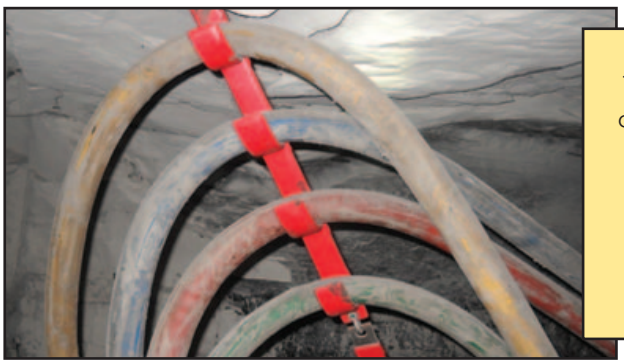
Up to 8% Less Jacket Weight

Black (standard) Blue Green Orange Yellow Red

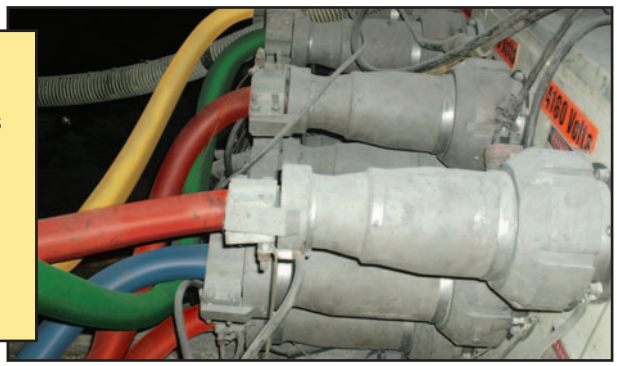
Colored jackets maintain physical properties equal to the standard black jacket.



Black (standard) Blue Green Orange Yellow Red



These brightly colored cables can improve mine safety by providing easy circuit identification.

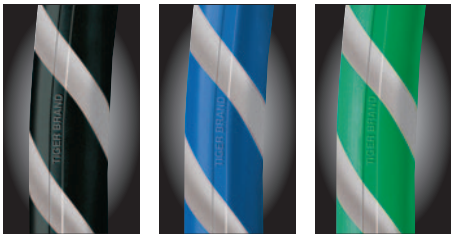


FACTORY INSTALLED CABLE ASSEMBLIES

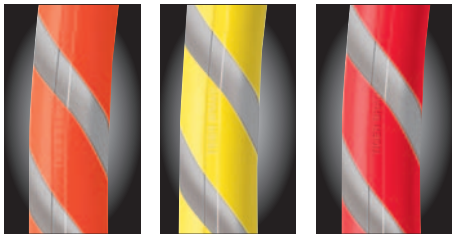
Manufactured by Nexans AmerCable • (870) 862-4919 • (800) 643-1516 • Fax (870) 862-9613

TIGER STRIPES – REFLECTIVE

Available only on CPE jacketed cables



Black *(standard)* | Blue | Green



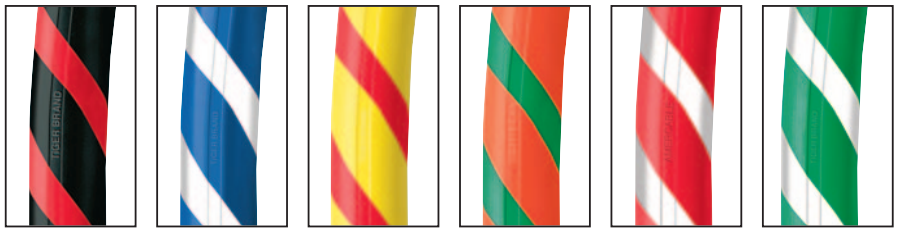
Orange | Yellow | Red

Nexans AmerCable's reflective **Tiger Stripes** can extend cable life by reducing run-overs in low visibility situations and **improve mine safety** by providing easier visual circuit identification.

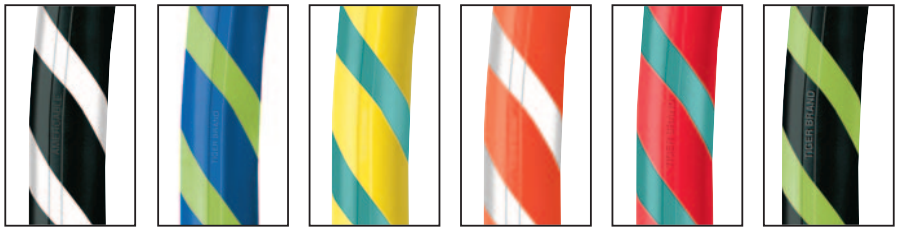
TIGER STRIPES – STANDARD

Available only on CPE jacketed cables

Nexans AmerCable's standard **Tiger Stripes** provide additional color combinations by vulcanizing a contrasting colored stripe into the jacket of our round CPE cables.



Black/Red | Blue/White | Yellow/Red | Orange/Green | Red/White | Green/White



Black/White | Blue/Green | Yellow/Green | Orange/White | Red/Blue | Black/Green

Consult with your Nexans AmerCable rep or the factory for a complete list of available stripe options.

TIGER® BRAND

MINING CABLES

25-35kV TYPE SHD-GC & MP-GC

Nexans AmerCable is the leading global manufacturer of surface and underground mining cables.

Nexans AmerCable is an ISO 9001 certified cable manufacturer that combines leading-edge technology, proven manufacturing techniques and high-quality service to deliver the finest mining cable products available.

Nexans AmerCable serves a worldwide customer base from our manufacturing facility in El Dorado, Arkansas. Our professional field engineers and customer support team work directly, or in partnership with a network of independent distributors, to deliver productivity enhancing cable solutions.

WHAT CAN YOU EXPECT FROM NEXANS AMERCABLE?

- High-Quality Cable with an Emphasis on Safety
- On-Time Delivery
- Professional Sales, Support and Service
- Strategic Inventory Locations
- Short Lead Times

FOLLOW US!

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