

Cable ID: r  
 Additional Information: Lamp;

**Input**

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.4179%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

**Results**

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	1.6003 v at 0.4001%
Max Run:	36 mtrs at 40 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	35.7°C

Cable ID: 3  
 Additional Information: Lamp;

**Input**

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.3777%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

**Results**

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	1.4350 v at 0.3588%
Max Run:	36 mtrs at 36 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	34.6°C

Cable ID: 5  
 Additional Information: Lamp;

**Input**

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.3377%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

**Results**

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	1.2714 v at 0.3178%
Max Run:	36 mtrs at 32 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	33.6°C

Cable ID: 7  
 Additional Information: Lamp;

**Input**

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.2979%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

**Results**

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	1.1092 v at 0.2773%
Max Run:	37 mtrs at 28 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	32.8°C

## Cable Calculations Results

Darren Robinsen, Solutions Electrical  
Phone No: 61431777683

Cable ID: 9  
Additional Information: Lamp;

### Input

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.2584%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

### Results

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	0.9483 v at 0.2371%
Max Run:	37 mtrs at 24 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	32.0°C

Cable ID: 11  
Additional Information: Lamp;

### Input

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.2191%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

### Results

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	0.7886 v at 0.1971%
Max Run:	38 mtrs at 20 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	31.4°C

Cable ID: 13  
Additional Information: Lamp;

### Input

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.1801%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

### Results

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	0.6298 v at 0.1574%
Max Run:	39 mtrs at 16 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	30.9°C

Cable ID: 15  
Additional Information: Lamp;

### Input

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.1412%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

### Results

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	0.4717 v at 0.1179%
Max Run:	41 mtrs at 12 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	30.5°C

## Cable Calculations Results

Darren Robinsen, Solutions Electrical  
Phone No: 61431777683

Cable ID: 17  
Additional Information: Lamp;

### Input

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.1023%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

### Results

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	0.3141 v at 0.0785%
Max Run:	44 mtrs at 8 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	30.2°C

Cable ID: 19  
Additional Information: Lamp;

### Input

Phase:	Three Phases
Voltage:	400 (50Hz)
Voltage Drop:	0.0579%
Length:	34m
De-rating:	1
Load Current:	4 Amps
Cable Cores:	Singles
Material:	XLPE 90 Deg C
Installation:	Clipped Direct
No. Grouped Circuits:	1
Type:	Copper (Cu)

### Results

Cable Required:	25.0 mm2 rated at 130 Amps
De-rated to:	130 Amps (1.0)
Voltage Drop:	0.1570 v at 0.0392%
Max Run:	50 mtrs at 4 Amps
Fuse CB/Size:	40 Amps
Cable Temperature:	30.1°C