

# Ambu<sup>®</sup> Neuroline Monopolar Needles



Ambu Neuroline Monopolar needles provide low penetration-resistance levels thanks to the sharp design. Moreover, our needles have been coated with a smooth coating, which reduces friction when inserting and working in the target area and significantly improves patient comfort. The needles feature a color-coded ergonomic hub, which is both ribbed and concave to provide better control and tactile feedback. The needles are made of stainless steel and feature an optimal combination of strength and flexibility. Strength ensures that you quickly and efficiently penetrate the skin; flexibility facilitates fine adjustments within the target area. Our needles are available both with and without a pre-attached lead wire.

Ambu also offers an Ambu Neuroline Monopolar cable with a 76 cm (30") and a 100 cm (40") lead wire.

## KEY FEATURES/ BENEFITS

- Tip superior in its sharpness for low penetration resistance
- Extra-smooth coating for low friction and improved patient comfort
- Ergonomic hub design for easy and secure grip
- Wide range of color-coded sizes to meet your needs
- Available with or without pre-attached lead wire

## INTENDED APPLICATIONS

- Electromyography (EMG)

## ENVIRONMENT

PVC-free electrode	No
Latex-free electrode	Yes
PVC-free lead wire	No
Latex-free lead wire	Yes
PVC-free packaging	Yes

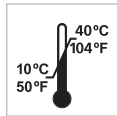
## MATERIALS - PACKAGING

Pouches, transparent layer	Polyester (PET)
Pouches, center layer	Polypropylene (PP)
Pouches, paper layer	Paper
Boxes	Cardboard

## Connectors



K = 1.5 mm



Storage temperature

## MATERIALS - ELECTRODE WITHOUT LEAD WIRE

Needle	Stainless steel
Coating	Low friction polymer
Hub	Copolymer of Acrylonitrile, Butadiene, and Styrene (ABS)
Connector	Stainless steel
Plastic protection	Polyethylene (PE)
Connection type	1.0 Pin - connector
Sterilization method	EO-sterilized

## MATERIALS - ELECTRODE WITH LEAD WIRE

Needle	Stainless steel
Coating	Low friction polymer
Hub	Copolymer of Acrylonitrile, Butadiene, and Styrene (ABS)
Lead wire	Flexible Copper wire with PVC insulation
Connector	Brass
Plastic protection	Polyethylene (PE)
Connection type	1.5 mm touch-proof (DIN 42 802)
Sterilization method	EO-sterilized

## AVAILABLE CONFIGURATIONS

Item No.	Length		Calibre		Shelf life in months (unopened pouches)	Packaging		
	mm	inch	mm	N° calibre		pouch	box	carton
■ 742 25-36/40	25	1"	0.36	28G	36	1	40	320
■ 742 38-36/40	38	1.5"	0.36	28G	36	1	40	320
■ 742 38-45/40	38	1.5"	0.45	26G	36	1	40	320
■ 742 50-45/40	50	2"	0.45	26G	36	1	40	320
■ 742 75-50/40	75	3"	0.50	25G	36	1	40	320
■ 743 25-36/40	25	1"	0.36	28G	36	1	40	320
■ 743 38-36/40	38	1.5"	0.36	28G	36	1	40	320
■ 743 38-45/40	38	1.5"	0.45	26G	36	1	40	320
■ 743 50-45/40	50	2"	0.45	26G	36	1	40	320
■ 743 75-50/40	75	3"	0.50	25G	36	1	40	320

Pre-attached lead wire: 76 cm (30")

## AVAILABLE CABLES

Item No.	Lead wire length		Shelf life in months (unopened pouches)	Needle socket mm	Connector mm	Packaging pouch
	cm	inch				
□ 1744	76	30"	-	1.0	1.5 (DIN 42 802)	1
□ 1747	100	40"	-	1.0	1.5 (DIN 42 802)	1

The reusable Ambu Neuroline Monopolar cable has an orientation-free connection to the needle and fits most EMG equipment. The cable is shielded and made of strong flexible wire.

## DIRECTIONS

1. Peel the sterile pouch open and remove the single patient needle electrode.
2. Connect the single patient needle electrode to the equipment.
3. Remove the protective tube.
4. After use, dispose of the needle electrode in a designated container. The needle electrodes are for single patient use only. However, the electrodes may be used more than once on the patient during the examination.

## PRECAUTIONS

Single Patient EMG needle electrodes are for single patient use only. Do not re-use or re-sterilize.  
US: Rx only



ISO9001:2000, EN ISO 13485  
Certificate No. FM72348

**Ambu**

Ambu Inc.  
6740 Baymeadow Drive  
Glen Burnie, MD 21060  
Tel.: +1 410 768 6464  
Fax: +1 410 760 4907  
www.ambu.com